DOCUMENT RESUME

ED 130 565 HE 008 320

AUTHOR Donny, William F.
TITLE Postbaccalaureate Activities of the Class of 1974 in Pennsylvania.
INSTITUTION Pennsylvania State Dept. of Education, Harrisburg. Bureau of Information Systems.
PUB DATE Nov 75
NOTE 56p.; Best available copy
AVAILABLE FROM Pennsylvania Department of Education, Box 911, Harrisburg, Pa. 17126

EDRS PRICE MF-$0.83 Plus Postage. HC Not Available from EDRS.
DESCRIPTORS *Bachelors Degrees; Careers; *Employment Opportunities; Employment Potential; Employment Trends; Graduate Surveys; *Higher Education; Job Market; *Jobs; Occupational Surveys; *Statistical Data; Surveys; Tables (Data)
IDENTIFIERS *Pennsylvania

ABSTRACT

The Pennsylvania Department of Education's Office of Higher Education authorized this survey of 26,719 graduates of 86 Pennsylvania higher education institutions receiving baccalaureate degrees from December 1973 to August 1974 regarding their postgraduation activities. The study examines (1) how many got jobs; (2) how closely the graduates considered their jobs to be related to their major field of study; (3) which major degree fields led to the most employment success; (4) where graduates were employed geographically in relation to the institution from which they graduated; and (5) whether there were significant differences in postgraduation activities by race, sex, type of institution or higher education planning region. The study is aimed at students as well as counselors, placement personnel, and educational planners. The results intend to help students and institutions better match educational preparation to the job market. (JMF)

****
* Documents acquired by ERIC include many informal unpublished *
* materials not available from other sources. ERIC makes every effort *
* to obtain the best copy available. Nevertheless, items of marginal *
* reproducibility are often encountered and this affects the quality *
* of the microfiche and hardcopy reproductions ERIC makes available *
* via the ERIC Document Reproduction Service (EDRS). EDRS is not *
* responsible for the quality of the original document. Reproductions *
* supplied by EDRS are the best that can be made from the original. *
****

ED130565

U S DEPARTMENT OF HEALTH,
EDUCATION & WELFARE
NATIONAL INSTITUTE OF
EDUCATION
THIS DOCUMENT HAS BEEN REPRODUCED EXACTLY AS RECEIVED FROM THE PERSON OR ORGANIZATION ORIGINATING IT. POINTS OF VIEW OR OPINIONS STATED DO NOT NECESSARILY REPRESENT OFFICIAL NATIONAL INSTITUTE OF EDUCATION POSITION OR POLICY

Postbaccalaureate Activities of the Class of 1974 in Pennsylvania

Pennsylvania Department of Education 1978

HE008320

BEST COPY AVAILABLE

Postbaccalaureate Activities of the Class of 1974 in Pennsylvania

Prepared by
William F. Donny
Research Associate
Division of Research
Bureau of Information Systems
November 1975

Commonwealth of Pennsylvania
Milton J. Shapp, *Governor*

Department of Education
John C. Pittenger, *Secretary*
David W. Hornbeck, *Executive Deputy*

Bureau of Information Systems
Seon H. Cho, *Director*

Division of Research
Robert B. Hayes, *Director*

Pennsylvania Department of Education
Box 911
Harrisburg, PA 17126

TABLE OF CONTENTS

	Page No.
SUMMARY	vii
INTRODUCTION	1
PROCEDURES	1
Objectives	1
Methodology of the Study	1
RESULTS	2
Questionnaire Response Rate by Institution	2
Questionnaire Response Patterns by Major Discipline	2
Employment Status by Major Discipline	3
Employment Status by Institutional Sector (1972 versus 1974)	5
Tests of Significance, 1974--Employment Status	6
Employment Status by Sex within Institutional Sector	6
Employment Status by Sex and by Institution within Planning Regions	7
Employment Status by Major Discipline and by Institution within Planning Regions	8
Employment Status by Race or Ethnic Group and by Institution within Planning Regions	8
Employment Status by Major Discipline for the Various Ethnic Groups	8
GEOGRAPHIC LOCATION	10
Geographic Location of Employed Graduates by Sex within Institutional Sectors	10
Geographic Location by Race or Ethnicity of Employed Graduates within the Planning Region and Institutional Category of the Degree--Conferring Institution	11
Geographic Location of Employed Graduates by Race or Ethnic Group and by Major Discipline	12
Occupational Distribution by Major Discipline for Fully Employed Baccalaureate Graduates	12
Employment Status by Professional Education Discipline	13
Estimated Median Salary of Employed Graduates by Major Discipline	17
DISCUSSION	17
APPENDIX 1. TABLES	18
APPENDIX 2. SURVEY CARD	45
BIBLIOGRAPHY	46

LIST OF TABLES

Table		Page No.
1.0	Number of Follow-Up Returns Received from the Baccalaureate Degree Graduates by Institution.	19
1.1	Number of Useable Follow-Up Returns Received from the Baccalaureate Degree Graduates by Major Discipline.	22
2.0	Employment Status by Major Discipline.	23
2.1	Employment Status by Major Discipline for State-Owned Institutions	23
2.2	Employment Status by Major Discipline for State-Related Institutions	24
2.3	Employment Status by Major Discipline for Private State-Aided Institutions	24
2.4	Employment Status by Major Discipline for Private Colleges and Universities.	25
2.5	Employment Status by Sex within Institutional Category.	25
2.6	Employment Status by Sex and by Institutions Within Planning Regions	26
2.70	Employment Status by Major Discipline for the Delaware Planning Region	27
2.71	Employment Status by Major Discipline for the Lehigh Valley Region	27
2.72	Employment Status by Major Discipline for the Northeast Planning Region.	28
2.73	Employment Status by Major Discipline for the Northern Tier Planning Region.	28
2.74	Employment Status by Major Discipline for the Susquehanna Planning Region	28
2.75	Employment Status by Major Discipline for the Capitol Planning Region	29
2.76	Employment Status by Major Discipline for the Turnpike Planning Region	29
2.77	Employment Status by Major Discipline for the Southwest Planning Region.	29
2.78	Employment Status by Major Discipline for the Northwest Planning Region.	30

TABLE OF CONTENTS
(continued)

		Page No.
2.79a	A Comparison of Planning Region Employment Status Means for Major Disciplines.	31
2.79b	A Comparison of Planning Region Employment Percentages for Major Disciplines.	31
2.8	Employment Status by Race Within Planning Region	32
2.91	Employment Status by Major Discipline for Blacks	33
2.92	Employment Status by Major Discipline for American Indians	33
2.93	Employment Status by Major Discipline for Spanish-Surnamed	33
2.94	Employment Status by Major Discipline for Orientals	34
2.95	Employment Status by Major Discipline for Whites and Other	34
3.0	Geographic Location of Employed Graduates by Sex Within Institutional Category	35
3.1	Geographic Location of Employed Graduates by Sex Within Major Discipline	35
3.2	Geographic Location by Sex of Employed Graduates Within the Planning Region of the Institution Conferring Degree	37
3.3	Geographic Location by Race or Ethnicity of Employed Graduates Within the Planning Region of the Institution Conferring Degree.	38
3.4	Geographic Location by Race or Ethnicity of Employed Graduates Within Institutional Category	39
3.51	Geographic Location of Employed Graduates by Major Discipline for Blacks	39
3.52	Geographic Location of Employed Graduates by Major Discipline for American Indians	40
3.53	Geographic Location of Employed Graduates by Major Discipline for Spanish Surnamed	40

TABLE OF CONTENTS
(continued)

Page No.

3.54 Geographic Location of Employed Graduates by Major Discipline for Orientals 41

3.55 Geographic Location of Employed Graduates by Major Discipline for Whites and Others 41

4.0 Major Discipline by Occupational Distribution of (Full-Time) Employed Total Baccalaureate Graduates 42

5.0 Employment Status by Professional Education Discipline 43

5.1 Employment Status by Special Education Discipline. 43

6.0 Estimated Median Salary of Employed Graduates by Major Discipline 44

SUMMARY

Purpose

This study examines the postgraduation activities of the baccalaureate class of 1974 for answers to such questions as:

...How many got jobs?

...How closely did graduates consider their jobs to be related to their major field of study?

...Which major degree fields led to the most employment success?

...Where were the graduates employed geographically in relation to the institution from which they graduated: county, planning region, in or out of state?

...Were there significant differences in postgraduation activities by race, sex, type of institution or higher education planning region?

Procedures

With the help of college placement people, graduates were asked to complete an 18-item, prepaid postcard. Eighty-six of 102 institutions and 49.3 per cent of all graduates of the 86 institutions cooperated. A telephone follow-up of non-respondents indicated no significant differences between their postgraduation activities and those of respondents.

Results

According to this study:

...14.6 per cent of the respondents were still seeking employment by late fall of 1974.

...62.3 per cent had full-time employment. Of these, 38.1 per cent had jobs highly related to their college majors and 10.1 per cent had jobs somewhat related.

... 9.8 per cent went on to graduate school.

...five major disciplines in which graduates had the most success finding jobs were: engineering, computer and information sciences, health professions, theology, and agriculture and natural resources.

...five major disciplines in which graduates had the most difficulty finding jobs were: social sciences, letters, home economics, fine and applied arts and foreign languages.

...74.7 per cent of the employed graduates were working in Pennsylvania.

...graduates of state-owned and state-related institutions had significantly higher employment rates than did graduates of state-aided and private institutions. Graduates of state-owned institutions did significantly better than those of state-related ones.

...44.9 per cent found jobs highly related to their majors in the Northern Tier Planning Region compared to 34.4 per cent in the Delaware Valley Planning Region. This difference (the largest between planning regions) may be explained partly by the 13.6 per cent going on to graduate school in Delaware Valley versus the 6.5 per cent in Northern Tier. Both regions reported the same percentage (13.6) as "seeking employment."

...40.6 per cent of the female graduates reported employment highly related to their majors compared to 55.6 per cent of the male graduates (statewide). This difference may be explained partly by the 5.3 per cent more males than females going on to graduate school.

...39.3 per cent of the black graduates reported jobs highly related to their majors compared to 37.8 per cent white and others, 36.5 per cent Spanish-surnamed, 25 per cent American Indian and 21.2 per cent Oriental. However, a much larger percentage of Orientals and Spanish-surnamed people went on to graduate school than did people in the other groups.

...education ranked sixth among 23 major disciplines in terms of graduates' obtaining highly related employment. Despite its rank this field of study presents a statewide problem since only 47.6 per cent of education graduates obtained jobs as teachers. In light of other information indicating that 75.5 per cent of new teachers obtained jobs in 1968, there has been a significant decline in their employability. The projected decline in school enrollments could make this problem even more serious.

INTRODUCTION

This study, which we did at the request of the state Department of Education's Office of Higher Education, reflects what graduates of Pennsylvania colleges were doing between December 1973 and August 1974. Like its 1971-72 predecessor, the study reveals patterns of choices baccalaureate graduates made as they faced employment and other options shortly after graduation. The findings should be useful to students, counselors, placement directors, educational planners and other decision makers.

In recent years, changes in the job market have caused some college graduates to question the assumption that the best route to preferred employment is through higher education. This, in turn, has led to further questions about higher education, its graduates and the job market.

We hope this study will help answer some of these questions so students and institutions can better match educational preparation to the job market.

PROCEDURES

Objectives

This study tries to answer such questions as: To what degree are graduates employed in occupations related, remotely related or unrelated to their fields of preparation? How many are unemployed? How many go to graduate school? What is the geographical dispersion of graduates? What percentage of graduates really enters the labor force? Are there significant differences in postgraduation activities by (1) institutional type (state-owned, state-related, state-aided and private), (2) higher education planning region, (3) sex and (4) race?

Methodology of the Study

Students receiving baccalaureate degrees in Pennsylvania from December (1973) to August (1974) were the target population. The Bureau of Planning (Office of Higher Education) and the Bureau of Information Systems of the Pennsylvania Department of Education designed the data instrument and the procedures. William Toombs of the Center for the Study of Higher Education at Pennsylvania State University, who conducted the original Comm-Bacc (Commonwealth-Baccalaureate) study, and placement officers at the state-owned higher education institutions assisted in the study. The 18-item, self-addressed, prepaid survey card appears in the Appendix.

We sought cooperation of the 102 baccalaureate degree-granting institutions through letters to presidents and placement officers, telephone calls and visits to some institutions. In addition, there were presentations to the Western Pennsylvania Placement Directors at their conference at Washington and Jefferson College and to placement directors for the state-owned colleges at a University Park conference.

A total of 26,719 graduates of 86 institutions completed questionnaires. Their responses were analyzed by computer and other methods to answer questions related to postgraduation activities. Over 250 subject area degree fields in 23 major academic subdivisions and 490 individual occupational classifications within major groups of occupations were used to categorize the responses.

During June and July the Center for the Study of Higher Education at The Pennsylvania State University conducted a telephone follow-up of a sample of nonrespondents. Of 537 Penn State nonrespondents, 211 were successfully contacted. (The remaining 326

were called three times without success.) We then compared nonrespondents (contacted by telephone) to respondents contacted (by mail) to determine if their postgraduation activities differed significantly.

RESULTS

The Penn State nonrespondents were compared to the respondents by chi-square analysis. There were no significant differences between nonrespondents' and respondents' postgraduation activities. The following chart shows the percentages of each group in the various activity categories. A chi-square value of 12.59 was needed for significance at the .05 level; the obtained value was 7.03.

Postgraduation Activity of Nonrespondents and Respondents
(percentages of total)

	Highly Related	Somewhat Related	Unrelated	Employed Part-Time	Seeking Employment	Grad School	Not Seeking Employment & Military
Nonrespondents	40.1	11.8	13.7	6.6	11.8	9.9	5.2
Respondents	38.1	10.1	14.1	9.7	14.6	9.8	3.5

Questionnaire Response Rate by Institution

Table 1.0 (see Appendix for all numbered tables) presents the 86 institutions cooperating in the present Comm-Bacc survey, their total number of graduates for 1973-74, and the number and percentage of their graduates who completed and returned the Comm-Bacc questionnaire. The cooperating institutions include all state-owned and state-related institutions, five of the eight state-aided institutions which offer the baccalaureate and 63 of the 76 private institutions. Of the 54,228 baccalaureate graduates of these 86 institutions, 26,719 completed and returned questionnaires--an overall return rate of 49.3 per cent. State-owned institutions showed the highest response rate--68 per cent. The response rate of the other three institutional sectors clustered around 40 per cent.

Questionnaire Response Patterns by Major Discipline

Table 1.1 presents the total number and percentage of respondents in 23 major disciplines. However, since the "number of graduates" column includes all graduates of the 86 cooperating institutions, plus the graduates of 16 nonparticipating institutions, the percentage figures shown are, in some instances, underestimations of their actual value. For this reason, the total number of graduates in Table 1.1 is about 3,000 higher than the 54,228 in Table 1.0. Graduates of the nonparticipating institutions represent 5.3 per cent of the statewide total. If one compensates for these 16 nonparticipating institutions, the overall mean return rate in Table 1.1 would be 46.6 per cent rather than the 44 per cent given.

A Spearman rank order correlation between the rankings by major discipline for all the graduates in the state and the number of graduates returning usable questionnaires for each discipline reveals that the two rankings are in very high agreement, with a rank order correlation of 0.95.

Employment Status by Major Discipline

A main focus of this study is the relationship between employment and unemployment. Figure 1.0 shows the percentage distribution of graduates in the 23 major Higher Education General Information Survey disciplines according to postgraduation activities.

Table 2.0 shows that 21,828, or 86.7 per cent, of the 25,176 respondents entered the civilian labor market. Of these, 62.3 per cent found full-time employment ("highly related" plus "somewhat related" plus "unrelated"), 9.7 per cent found part-time employment and 14.6 per cent were seeking employment. The earlier Toombs' study reported that 56.2 per cent had found a job by the time of the inquiry, while 21.7 per cent were seeking work. The fact that the present study indicates a higher level of employment may be due partly to the several waves of follow-up surveys (involving several more months than the 1972 study) of graduates of many cooperating colleges.

Figure 1.0 summarizes the data in Table 2.0 in graphic form; however, it is difficult to determine the relative position of the various disciplines in terms of employment status--ranging from full-time employment to part-time employment to seeking employment. It is also difficult to see the degree to which occupation is related to the academic discipline in which the respondents obtained their degrees.

By assigning arbitrary weights to the categories and then developing a mean score for all respondents in a given discipline, one can rank the disciplines in terms of the degree to which occupation is related to academic major.

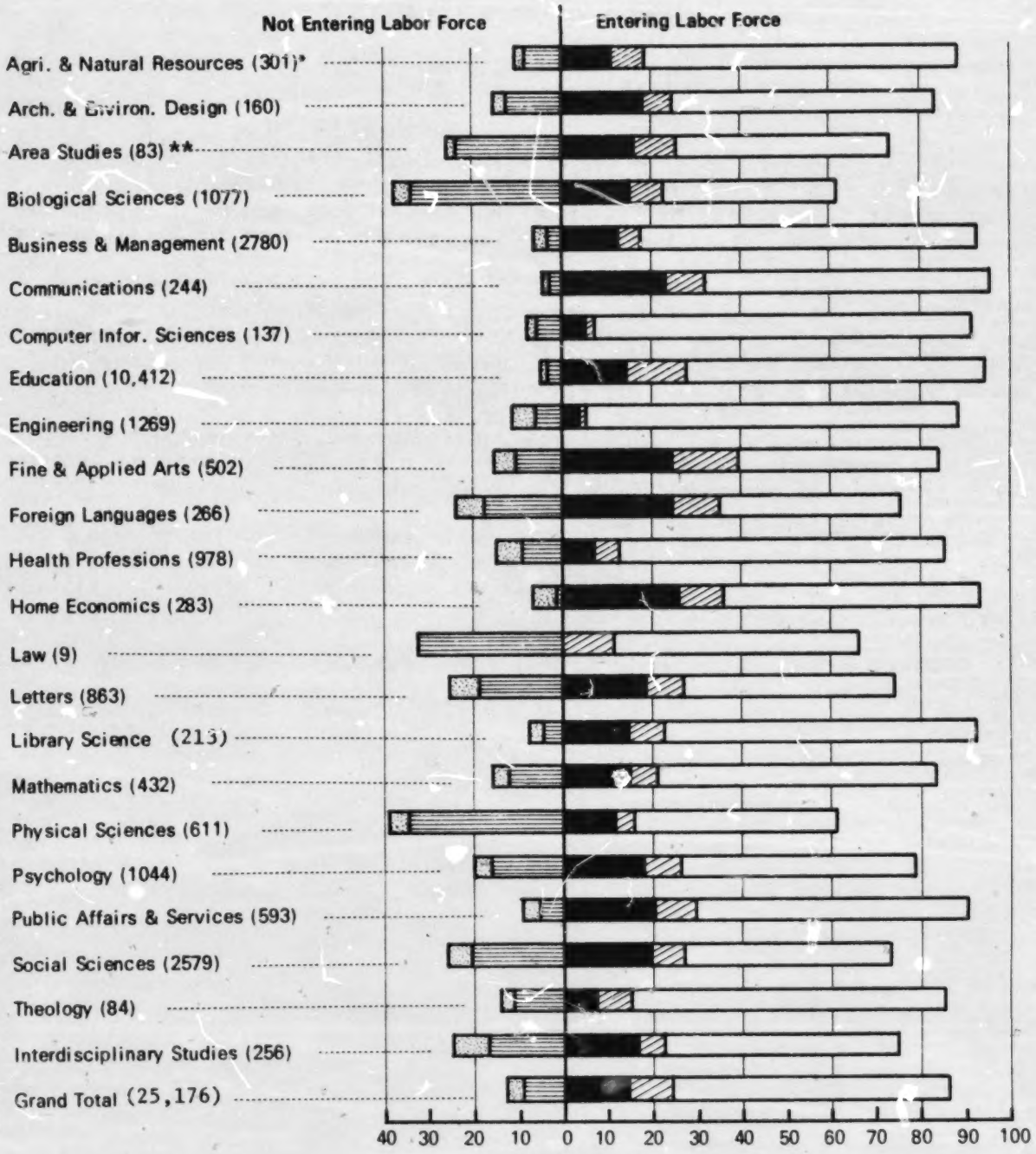
We used the following weights to rank the disciplines according to degree of full employment: full-time employment, 3; part-time employment, 2; and seeking employment, 1. Through this study, the mean resulting from this weighting will be called the "employment status mean."

The higher the mean rating, the greater the degree of full-time employment. Conversely, the lower the mean rating, the greater the degree of unemployment or part-time employment.

Major Discipline	Employment Status Mean	Rank	Major Discipline	Employment Status Mean	Rank
Engineering	2.90	1	Interdiscip. Studies	2.49	12.5
Computer & Info. Sci.	2.87	2	Psychology	2.45	14
Law	2.83	3	Public Affairs & Ser.	2.44	15
Health Professions	2.77	4	Communications	2.42	16
Theology	2.74	5	Area Studies	2.41	17
Agri. & Natural Res.	2.68	6.5	Biological Sci.	2.40	18.5
Business & Management	2.68	6.5	Letters	2.40	18.5
Library Science	2.61	8	Social Sciences	2.36	20
Mathematics	2.57	9	Home Economics	2.34	21
Physical Sciences	2.56	10	Fine & Applied Arts	2.25	22
Education	2.55	11	Foreign Languages	2.22	23
Arch. & Environ. Design	2.49	12.5			

To determine the extent to which graduates felt their jobs were related to their major discipline, we assigned the following values: "highly related," 3; "somewhat related," 2; and "unrelated," 1. The higher the mean rating, the more the graduates felt their major discipline was related to their employment.

FIGURE 1.0
EMPLOYMENT STATUS BY MAJOR DISCIPLINE
Labor Force Participation by Per Cent



* Total number of returns for each major discipline.
** Area Studies – a world cultures approach of studying various areas of the world.

Major Discipline	Relatedness Mean	Rank	Major Discipline	Relatedness Mean	Rank
Computer & Info. Sci.	2.90	1	Public Affairs & Ser.	2.34	13
Health Professions	2.89	2	Mathematics	2.15	14
Library Science	2.77	3	Fine & Applied Arts	2.03	15
Engineering	2.75	4	Biological Sciences	1.96	16
Arch. & Environ. Des.	2.53	5	Psychology	1.85	17
Education	2.52	6	Social Sciences	1.69	18
Business & Management	2.49	7	Area Studies	1.67	19
Agri. & Natural Res.	2.44	8	Law	1.60	20
Home Economics	2.41	9	Foreign Language	1.59	21
Physical Sciences	2.39	10.5	Letters	1.57	22
Theology	2.39	10.5	Interdisciplinary Studies	1.40	23
Communications	2.35	12			

Since the rankings for employment status and relatedness differ somewhat, the following chart places them together for better comparison:

Major Discipline	Employment Status Mean	Rank	Relatedness Mean	Rank
Agriculture & Natural Resources	2.68	6.5	2.44	8
Architecture & Environmental Design	2.49	12.5	2.53	5
Area Studies	2.41	17	1.67	19
Biological Sciences	2.40	18.5	1.96	16
Business & Management	2.68	6.5	2.49	7
Communications	2.42	16	2.35	12
Computer & Information Sciences	2.87	2	2.90	1
Education	2.55	11	2.52	6
Engineering	2.90	1	2.75	4
Fine & Applied Arts	2.25	22	2.03	15
Foreign Languages	2.22	23	1.59	21
Health Professions	2.77	4	2.89	2
Home Economics	2.34	21	2.41	9
Law	2.83	3	1.60	20
Letters	2.40	18.5	1.57	22
Library Science	2.61	8	2.77	3
Mathematics	2.57	9	2.15	14
Physical Sciences	2.56	10	2.39	10.5
Psychology	2.45	14	1.85	17
Public Affairs & Services	2.44	15	2.34	13
Social Sciences	2.36	20	1.69	18
Theology	2.74	5	2.39	10.5
Interdisciplinary Studies	2.49	12.5	1.40	23

Employment Status by Institutional Sector (1972 versus 1974)

Tables 2.1 through 2.4 further develop employment status data by major discipline for graduates of each of the four higher education sectors. Some of these data may be compared with similar data from the 1972 Comm-Bacc study. For instance, students continuing graduate education in the two study periods are:

Institutional Sector	Continuing Graduate Education 1972	1974
	%	%
State-Owned	6.0	4.2
State-Related	10.5	10.2
State-Aided	18.8	21.4
Private	24.1	14.6

Similarly, Tables 2.1 through 2.4 permit one to compare the full-time employment status of the 1972 and 1974 degree recipients of the four higher education sectors:

Institutional Sector	Full-Time Employment	
	1972	1974
	%	%
State-Owned	66.5	67.0
State-Related	45.8	64.8
State-Aided	63.2	56.3
Private	51.0	55.8

It is difficult to say whether these differences resulted from changing placement activities or differing research designs and procedures. The figures for state-related institutions may have been affected by their accepting returns several months later in the 1974 study than in the 1972 study.

Tests of Significance, 1974--Employment Status

When one abstracts from Tables 2.1 through 2.4 the figures for full-time employment and the percentage in occupations highly related to academic preparation, the following figures result:

Institutional Sector	Full-Time Employment		Highly-Related Employment
	No.	%	%
State-Owned	6,712	67.0	44.2
State-Related	2,867	64.8	40.0
State-Aided	781	56.3	32.6
Private	4,354	55.8	29.9

Use of the t-test for proportions to measure the statistical significance of the differences between the sectors showed that all sectors differed significantly ($p < .01$) in terms of relatedness. All differences between sectors in terms of percentage in full-time employment were significant ($p < .01$) except the difference between state-aided and private college respondents.

Employment Status by Sex within Institutional Sector

Table 2.5 shows that 3.2 per cent more males than females are holding full-time jobs. However, five per cent more females are working at occupations highly related to their major degree fields. Another sex difference is that more males than females are attending graduate school.

By applying the previously described weighting system to the relevant parts of Table 2.5, one obtains the following results: Males in all four higher education sectors rank higher than females in employment status because of the larger percentage of women unemployed or employed only part-time. The differences are especially large for the state-aided institutions.

Institutional Sector	Male Employment Status Mean	Rank	Female Employment Status Mean	Rank
State-Owned	2.62	3	2.52	1
State-Related	2.65	2	2.51	2
State-Aided	2.73	1	2.25	4
Private	2.55	4	2.45	3

When the three "relatedness" categories of Table 2.5 are weighted, the following rankings emerge. Except for the state-aided sector, females seem to be working in occupations more highly related to their degree fields than males.

Institutional Sector	Male Relatedness Mean	Rank	Female Relatedness Mean	Rank
State-Owned	2.27	3	2.54	1
State-Related	2.40	2	2.44	2
State-Aided	2.48	1	2.17	4
Private	2.22	4	2.36	3

Employment Status by Sex and by Institution within Planning Regions

Table 2.6 shows that males had slightly higher full-time employment rates than females in seven of the nine higher education planning regions. Employment rates were higher for females in the Delaware Valley and Northeast planning regions. The following figures show employment status means by sex within planning regions. The higher the mean, the higher the rate of full-time employment.

Planning Region	Male Employment Status Mean	Rank	Female Employment Status Mean	Rank
Delaware Valley	2.56	7	2.51	6.5
Lehigh Valley	2.62	5.5	2.49	8
Northeast	2.51	9	2.61	2
Northern Tier	2.62	5.5	2.59	3.5
Susquehanna	2.70	3	2.54	5
Capitol	2.73	2	2.59	3.5
Turnpike	2.77	1	2.67	1
Southwest	2.55	8	2.39	9
Northwest	2.63	4	2.51	6.5

Weighting the three relatedness categories in Table 2.6 and extracting the means produces the following rankings of the degree to which employment is related to major discipline by the sex of the graduates in each planning region:

Planning Region	Male Relatedness Mean	Rank	Female Relatedness Mean	Rank
Delaware Valley	2.34	2	2.44	6
Lehigh Valley	2.19	6	2.36	9
Northeast	2.14	8	2.62	1
Northern Tier	2.29	3	2.53	4
Susquehanna	2.42	1	2.41	7
Capitol	2.24	5	2.37	8
Turnpike	2.12	9	2.50	5
Southwest	2.28	4	2.56	2
Northwest	2.15	7	2.54	3

Employment Status by Major Discipline and
by Institution within Planning Regions

The 2.70 series of planning region tables relates data for postgraduation employment and other activities to the major disciplines.

Table 2.79a presents the results of weighting the full-time employment, part-time employment and seeking categories (3, 2 and 1 as described previously) and producing mean scores which indicate employment status for graduates in each discipline. The higher the mean, the better the employment status for the graduates in that discipline. Table 2.79a presents these employment status means for each planning region.

For comparison purposes, Table 2.79b shows, for each major discipline, the percentage of full-time employment within each planning region and for the entire state. (See Figure 2.0 for a map of planning regions.)

Employment Status by Race or Ethnic Group and
by Institution within Planning Regions

Table 2.8 gives employment status by planning region and statewide for five ethnic groups. Data for American Indians, Spanish-surnamed people and Orientals, together comprise only 0.6 per cent of the respondents for this table. Blacks amounted to 2.5 per cent of the sample, and whites totaled 97.0 per cent. Although the minority samples are too small to be representative, employment status means are presented to give some idea of the employment picture by race and ethnic group in the planning regions. The employment status means shown below were derived from the weighting process described earlier. The higher the mean, the more full-time employment there was. Note that 0.0 indicates no representation for that ethnic group or minority.

	Employment Status Mean								
Race or Ethnic Group	Delaware Valley	Lehigh Valley	North-east	Northern Tier	Susque-hanna	Capitol	Turn-pike	South-west	North-west
Black	2.44	2.72	0.0	3.00	2.63	2.84	0.0	2.44	2.50
Am. Indian	1.75	0.0	0.0	0.0	3.00	0.0	0.0	2.50	0.0
Spanish Sur.	2.81	3.00	0.0	0.0	3.00	2.50	0.0	2.75	3.00
Oriental	2.25	3.00	0.0	0.0	3.00	2.17	0.0	2.30	3.00
White	2.54	2.51	2.59	2.60	2.63	2.65	2.71	2.45	2.44

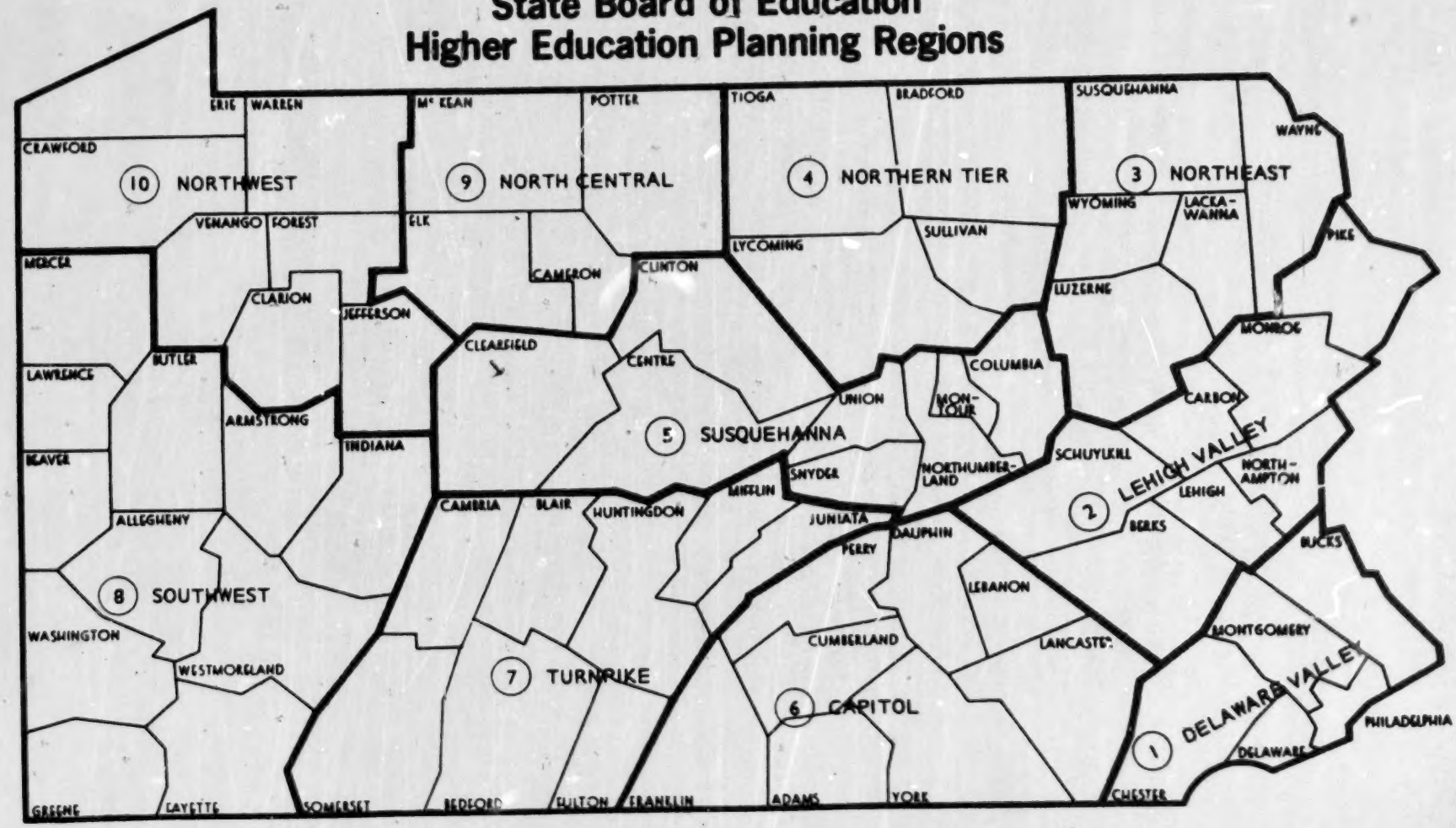
Employment Status by Major Discipline
for the Various Ethnic Groups

Tables 2.91 through 2.95 break down the employment status of graduates for each major discipline by percentages. Although these tables lack representative sample of minorities, they are valuable in indicating the extent to which each discipline attracts members of each ethnic group and the employment or other postgraduation effects.

Employment status means (not presented) based on the total percentages for each table indicate the following rank order for each group: Spanish-surnamed (with the highest employment status mean) were followed in descending order by whites and other, blacks, Orientals and American Indians.

FIGURE 2.0

State Board of Education
Higher Education Planning Regions



GEOGRAPHIC LOCATION

The 3.0 series of tables presents geographic data for employed graduates by race and sex for institutional sectors, major disciplines and planning regions.

Geographic Location of Employed Graduates by Sex within Institutional Sectors

Table 3.0 offers employment location data suitable for comparison with the data in the 1972 study. In the earlier study, for instance, 72 per cent of the baccalaureate degree recipients were employed in Pennsylvania. By 1974 the total employed in Pennsylvania had risen to 74.7 per cent. The comparisons below indicate some of the mobility and employment patterns both in and out of Pennsylvania.

Institutional Sectors	Employed in Same County		Employed in Adjacent States		Total Employed Outside Pa.	
	1972	1974	1972	1974	1972	1974
	%	%	%	%	%	%
State-Owned	14.2	15.2	13.1	11.2	18.1	18.0
State-Related	26.7	28.8	12.7	12.8	28.8	23.8
State-Aided	39.1	34.4	26.0	25.9	38.7	39.3
Private	29.0	30.9	22.7	22.3	36.9	34.0

Table 3.0 also allows us to examine the holding power of the region in which the respondents received their degrees (county or planning region). For example, one may rank institutional sectors according to the percentage of respondents who obtained positions in the same region as their degree-granting institution. The percentage figure shown is the sum of the "same county" and "same region" percentage figures for a given institutional category in Table 3.0. The results are:

Institutional Category	Male Employed in Region or County	Rank	Female Employed in Region or County	Rank	Total Employed in Region or County	Rank
	%		%		%	
State-Owned	46.8	3	45.7	4	46.2	3
State-Related	30.7	4	46.2	3	36.8	4
State-Aided	49.6	2	55.3	1	51.0	1
Private	52.6	1	47.8	2	50.3	2

One could conduct a similar analysis for the "same county" data. Also, this procedure could be generalized to all tables giving percentage values for work location in the state.

The four institutional sectors are ranked below in terms of their holding power--this time in relation to the percentage of graduates employed outside the state. The lower the percentage of degree recipients employed outside Pennsylvania, the greater the presumed holding power for that sector.

Institutional Sector	Employed Outside Pennsylvania			
	Males	Females	Total	Rank
	%	%	%	
State-Owned	19.1	17.3	18.0	1
State-Related	28.2	16.8	23.8	2
State-Aided	38.5	41.7	39.3	4
Private	32.1	36.4	34.0	3

Table 3.1 gives employment location data for each major discipline. The percentages from this table abstracted below show the holding power of each major discipline in rank order.

Major Discipline	Employed Outside Pennsylvania			
	Males %	Females %	Total %	Rank
Education	19.5	19.2	19.3	1
Public Affairs & Services	24.7	14.0	19.5	2
Interdisciplinary Studies	21.7	24.5	22.6	3
Home Economics	39.4	19.4	22.7	4
Communications	20.8	26.5	22.8	5
Business & Management	24.0	25.3	24.1	6
Library Science	27.2	24.5	24.9	7
Psychology	26.4	27.7	27.1	8
Biological Sciences	27.1	31.1	28.3	9
Health Professions	33.8	28.0	29.4	10
Social Sciences	28.7	31.4	29.6	11
Mathematics	31.9	27.8	31.6	12
Letters	29.2	34.7	31.9	13
Fine & Applied Arts	37.5	32.2	34.1	14
Foreign Languages	14.8	38.4	34.5	15
Computer & Information Sciences	40.2	20.0	37.0	16
Engineering	39.4	44.0	39.5	17
Physical Sciences	37.5	49.4	39.7	18
Area Studies	36.0	44.0	40.0	19
Architecture & Environmental Des.	42.9	38.5	41.9	20
Agricultural & Natural Resources	41.6	50.0	42.4	21
Theology	41.5	46.8	43.6	22

From information in Table 3.2 one may rank the higher education planning regions by the percentages of degree recipients who accepted employment outside Pennsylvania. This information not only reveals the holding power for each planning region but also indicates the percentage unavailable, at least temporarily, for employment in Pennsylvania. Such outmigration ratios are important in occupational studies.

Planning Region of Degree-Conferring Institutions	Males %	Females %	Total %	Rank
Capitol	19.9	21.2	20.6	1
Southwest	23.5	22.9	23.1	2
Lehigh Valley	27.5	20.8	23.7	3
Northwest	25.8	22.6	23.8	4
Delaware Valley	29.2	24.7	27.0	5
Susquehanna	32.5	20.9	28.2	6
Northern Tier	27.2	29.8	28.8	7
Turnpike	27.3	31.4	29.4	8
Northeast	17.5	37.5	31.8	9

Geographic Location by Race or Ethnicity of Employed Graduates within the Planning Region and Institutional Category of the Degree--Conferring Institution

In Tables 3.3 and 3.4 it is difficult to make valid comparisons or interpretations of the data relating to American Indians, Spanish-surnamed people and Orientals because of the small number who responded to the questionnaire. It is possible to see, however, that the largest percentages of minority respondents were from the Delaware Valley and Southwest planning regions, while the smallest percentages were from the Northeast, Northern Tier and Turnpike planning regions.

The statewide totals indicate that the planning regions and counties of the degree-granting institutions generally had higher holding power for their minority graduates than for the white majority. In the out-of-state category, these totals indicate that Spanish-surnamed people and Orientals were employed out-of-state at slightly higher rates than whites. On the other hand, blacks and American Indians were more likely to find employment in Pennsylvania than whites.

Geographic Location of Employed Graduates by Race or Ethnic Group and by Major Discipline

Table 3.51 through 3.55 give the following percentage figures for out-of-state employment patterns by race or ethnic group for each major discipline:

Major Discipline	Employed Outside Pennsylvania				
	Whites	Blacks	Orientals	Spanish Surnamed	American Indian
Letters	32.1	35.7	0.0	-	-
Law	28.5	-*	-	-	-
Home Economics	21.3	0.0	-	-	-
Health Professions	28.9	36.3	0.0	33.3	-
Foreign Languages	34.7	50.0	-	0.0	-
Fine & Applied Arts	33.9	60.0	0.0	40.0	0.0
Engineering	39.3	40.0	57.2	50.0	-
Education	19.3	17.1	25.0	18.8	0.0
Computer & Info. Sci.	40.2	0.0	0.0	-	-
Communications	23.5	20.0	-	0.0	-
Business & Management	24.3	23.5	25.0	0.0	0.0
Biological Sciences	28.1	33.4	66.7	100.0	0.0
Area Studies	40.8	0.0	-	-	-
Arch. & Environ. Design	41.0	-	100.0	-	100.0
Agri. & Natural Res.	43.1	66.6	0.0	-	-
Library Science	25.2	-	-	-	-
Mathematics	31.3	83.3	33.3	0.0	-
Physical Sciences	39.9	50.0	40.0	-	-
Psychology	26.9	26.7	40.0	0.0	-
Public Affairs & Ser.	20.7	0.0	-	100.0	-
Social Sciences	29.8	35.7	16.7	33.3	0.0
Theology	43.9	-	100.0	0.0	-
Interdiscip. Studies	22.0	50.0	100.0	100.0	-

*Dash indicates no respondents entered the discipline.

Occupational Distribution by Major Discipline for Fully Employed Baccalaureate Graduates

Table 4.0 reflects information from 14,841 baccalaureate graduates about their full-time occupations. This information should be of special interest to curriculum planners and educational and occupational counselors. Graduates completing the questionnaire items for this table gave their job title and a brief description of their duties. These were later classified into the 56 occupational categories in Table 4.0.

The occupational distribution below shows the number of occupations entered from each major discipline. For example, students who majored in the general category of education found employment in 53 distinct occupational categories. Thus, the

education majors were most widely distributed among the occupations. On the other hand, the computer and information sciences majors, employed in 11 occupations, were the least widely distributed among the occupations.

Major Discipline	Occupational Distribution
Education	53
Social Science	51
Business & Management	45
Psychology	43
Letters	39
Fine & Applied Arts	34
Biological Sciences	33
Interdisciplinary Studies	31
Agriculture & Natural Resources	30
Mathematics	28
Physical Sciences	27
Engineering	26
Public Affairs	26
Home Economics	25
Health Professions	24
Architecture & Environmental Design	23
Communications	23
Area Studies	17
Library Science	14
Computer Science	11

The distribution of graduates into varying numbers of employment fields raises questions about whether certain fields offer broader employment possibilities than others, whether the types of people entering the fields differ in some way that broadens or narrows their employment opportunities, whether graduates are forced to accept less related employment because of a poor job market in their field or whether there is some combination of these or other factors.

Employment Status by Professional Education Discipline

Table 5.0 relates the employment status of 9,204 professional education degree recipients to 36 professional disciplines. Table 5.1 relates the employment status of 1,205 special education majors to nine appropriate disciplines. Employment status means derived from these tables are ranked below; the higher the mean, the greater the full-time employment over unemployment.

Educational Discipline	Employment Status Mean*	Rank
Curriculum & Instruction	3.00*	3.5
Educational Administration	3.00*	3.5
Educational Supervision	3.00*	3.5
Higher Education	3.00*	3.5
The Gifted Learner	3.00	3.5
Reading Education	3.00	3.5
Educational Psychology	2.91	8
Physically Handicapped	2.91	8
Agriculture Education	2.91	8
Industrial V/T Education	2.90	10
Driver Education	2.89	11.5
Physics	2.89	11.5
Deaf Education	2.88	13
Learning Disabilities	2.86	14
Nursing/Dental Hygiene	2.83	15
Visually Handicapped	2.82	16
Speech Correction	2.77	17.5
Earth/Space Sciences	2.77	17.5
Business Education	2.76	19
Educable Mentally Retarded	2.74	20
Educational Measurement	2.72	21
Biology	2.71	22
Music Education	2.70	23
Emotionally Disturbed	2.68	25
Special Education, General	2.68	25
Mathematics Education	2.68	25
German	2.64	27
Kindergarten	2.58	28
Chemistry Education	2.55	29
Home Economics	2.54	30
Science Education	2.53	31
Art Education	2.52	32
Spanish	2.51	33
Other	2.50	34
Elementary Education	2.47	35.5
Physical Education	2.47	35.5
Speech/Drama	2.46	37
English	2.45	38
Secondary Education	2.44	39
Education, General	2.43	40
Foreign Language, Other	2.40	41
Health Education	2.39	42
Social Science	2.35	43
Educational Statistics	2.33	44
French	2.28	45

*Because this rank includes very small numbers of respondents for some categories, the results may be misleading.

In the means presented below, the higher the mean, the greater the degree to which employment is related to the major professional education disciplines.

Educational Discipline	Relatedness Mean	Rank
Curriculum & Instruction	3.00	2.5
Educational Supervision	3.00	2.5
Higher Education	3.00	2.5
Learning Disabilities	3.00	2.5
Agriculture Education	2.90	5.5
Physically Handicapped	2.90	5.5
Educable Mentally Retarded	2.85	7
Nursing/Dental Hygiene	2.84	8
Speech Correction	2.81	9
Visually Handicapped	2.80	10
Educational Administration	2.75	11
Science Education	2.73	13
Industrial V/T Education	2.73	13
Reading Education	2.73	13
Educational Measurement	2.72	15
Special Education, General	2.70	16
The Gifted Learner	2.69	17.5
Music Education	2.69	17.5
Emotionally Disturbed	2.67	19
Physics	2.65	20
Kindergarten	2.64	21
Deaf Education	2.62	22
Mathematics Education	2.60	23
Health Education	2.58	24
Chemistry Education	2.55	25
Elementary Education	2.53	26
Earth/Space Sciences	2.52	27
Business Education	2.51	28
Home Economics	2.50	29.5
Other	2.50	29.5
Speech/Drama	2.49	31
Biology	2.46	32.5
Art Education	2.46	32.5
English	2.36	34
Driver Education	2.35	35
French	2.33	36
Educational Psychology	2.30	37.5
Physical Education	2.30	37.5
Spanish	2.25	39
German	2.20	40
Foreign Language, Other	2.15	41
Education, General	2.07	42
Secondary Education	2.04	43
Social Science	1.93	44
Educational Statistics	1.25	45

The following comparisons clarify the relative ranking of employment status means and relatedness means derived from Tables 5.0 and 5.1.

Educational Discipline	Employment Status Mean	Rank	Relatedness Mean	Rank
Curriculum & Instruction	3.00	3.5	3.00	2.5
Educational Administration	3.00	3.5	2.75	11
Educational Supervision	3.00	3.5	3.00	2.5
Higher Education	3.00	3.5	3.00	2.5
The Gifted Learner	3.00	3.5	2.69	17.5
Reading Education	3.00	3.5	2.73	13
Educational Psychology	2.91	8	2.30	37.5
Physically Handicapped	2.91	8	2.90	5.5
Agriculture Education	2.91	8	2.90	5.5
Industrial V/T Education	2.90	10	2.73	13
Driver Education	2.89	11.5	2.35	35
Physics	2.89	11.5	2.65	20
Deaf Education	2.88	13	2.62	22
Learning Disabilities	2.86	14	3.00	2.5
Nursing/Dental Hygiene	2.83	15	2.84	8
Visually Handicapped	2.82	16	2.80	10
Speech Correction	2.77	17.5	2.81	9
Earth/Space Science	2.77	17.5	2.52	27
Business Education	2.76	19	2.51	28
Educable Mentally Retarded	2.74	20	2.85	7
Educational Measurement	2.72	21	2.72	15
Biology	2.71	22	2.46	32.5
Music Education	2.70	23	2.69	17.5
Emotionally Disturbed	2.68	25	2.67	19
Special Education, General	2.68	25	2.70	16
Mathematics Education	2.68	25	2.60	23
German	2.64	27	2.20	40
Kindergarten	2.58	28	2.64	21
Chemistry Education	2.55	29	2.55	25
Home Economics	2.54	30	2.50	29.5
Science Education	2.53	31	2.73	13
Art Education	2.52	32	2.46	32.5
Spanish	2.51	33	2.25	39
Other	2.50	34	2.50	29.5
Elementary Education	2.47	35.5	2.53	26
Physical Education	2.47	35.5	2.30	37.5
Speech/Drama	2.46	37	2.49	31
English	2.45	38	2.36	34
Secondary Education	2.44	39	2.04	43
Education, General	2.43	40	2.07	42
Foreign Language, Other	2.40	41	2.15	41
Health Education	2.39	42	2.58	24
Social Science	2.35	43	1.93	44
Educational Statistics	2.33	44	1.15	45
French	2.28	45	2.33	36

Estimated Median Salary of Employed Graduates by Major Discipline

Table 6.0 compares estimated median starting salaries by sex and race or ethnic group. Median salaries for males exceeded those of females except in the cases of mathematics, physical sciences, library science and computer and information sciences.

As for race or ethnic group, the estimated median salaries of blacks slightly exceeded those of whites (where comparisons were possible) in nine disciplines: business and management, communications, computer and information sciences, education, fine and applied arts, letters, mathematics, public affairs and services, and interdisciplinary studies.

Spanish-surnamed people ranked higher than whites in estimated initial median salaries in education, fine and applied arts and foreign languages.

Orientals ranked higher than whites in median salaries for education and above all other groups in engineering.

Whites and others had higher estimated median salaries in seven disciplines: area studies, architecture, biological sciences, health professions, physical sciences and social sciences.

DISCUSSION

Sixteen of the 102 Pennsylvania institutions offering baccalaureate degrees did not participate in this study. Others cooperated only to a limited extent. One of the common reasons they gave for nonparticipation was insufficient resources. At a time when it is more difficult to get a job, it would seem that schools should provide more, rather than less, help to students seeking employment.

In the telephone follow-up, nonrespondents frequently said they did not respond to the survey because they never received the survey card. If future surveys of this type are to be more successful, better cooperation and record keeping are needed.

As a group, the state-owned colleges provided us with excellent help and also had the best placement results, particularly in jobs highly related to college majors.

Both the state-owned and state-related did significantly better than the state-aided and private sectors in full-time employment of graduates. This should stimulate private institutions to improve their placement efforts, even though a greater percentage of their graduates go on to graduate school as compared to the state-owned and state-related graduates.

Females did somewhat better than males in obtaining highly related employment, but in terms of full-time employment, males did somewhat better than females. Males also exceeded females, by 5.3 per cent, in going on to graduate school. The percentage of females seeking employment was 4.1 per cent higher than males. In 19 of 23 major disciplines, the male graduates' beginning salaries slightly exceeded those of female graduates.

The small size of the minority samples limits the ability to generalize; however, blacks did slightly better than other groups in terms of highly related employment. In terms of all full-time employment, Spanish-surnamed people placed somewhat better. Beginning median salaries for black graduates slightly exceeded those of whites in nine of 16 major disciplines which could be compared.

APPENDICES

APPENDIX

TABLE 1.0

NUMBER OF FOLLOW-UP RETURNS RECEIVED FROM THE BACCALAUREATE DEGREE GRADUATES BY INSTITUTION

Institution	Number of Graduates	Number of Returns	Per Cent of Returns
State-Owned			
Bloomsburg State College	1,189	697	58.6
California State College	1,429	1,340	93.8
Cheyney State College	341	111	32.6
Clarion State College	970	741	76.4
East Stroudsburg State College	885	807	91.2
Edinboro State College	1,230	568	46.2
Indiana Univ. of Pennsylvania	2,199	1,507	68.5
Kutztown State College	935	630	67.4
Lock Haven State College	508	304	59.8
Mansfield State College	894	609	68.1
Millersville State College	1,122	679	60.5
Shippensburg State College	832	702	84.4
Slippery Rock State College	1,268	852	67.2
West Chester State College	1,349	761	56.4
TOTAL	15,151	10,308	68.0
State-Related			
Lincoln University	172	52	30.2
Pennsylvania State University	7,647	3,718	48.6
Temple University	3,301	1,464	44.4
University of Pittsburgh	3,952	1,130	28.6
TOTAL	15,072	6,364	42.2
Private State-Aided			
Delaware Valley College of Science & Agriculture	198	163	82.3
Drexel University	1,142	418	36.6
Philadelphia College of Art	145	67	46.2
Philadelphia College of Textiles & Science	376	95	25.3
University of Pennsylvania	2,004	767	38.3
TOTAL	3,865	1,510	39.1

TABLE 1.0 (Cont'd)

Institution	Number of Graduates	Number of Returns	Per Cent of Returns
Private Colleges & Universities			
Albright	361	184	51.0
Allegheny	385	186	48.3
Allentown Col. of St. Francis Desales	101	33	32.7
Alliance College	87	19	21.8
Beaver College	191	56	29.3
Bryn Mawr College	211	113	53.6
Bucknell University	701	285	40.7
Cabrini College	92	42	45.7
Carlow College	192	70	36.5
Cedar Crest College	184	122	66.3
Chatham College	144	76	52.8
Chestnut Hill College	201	96	47.8
College Misericordia	209	88	42.1
Dickinson College	386	154	39.9
Duquesne University	1,112	216	19.4
Eastern College	125	53	42.4
Elizabethtown College	354	182	51.4
Franklin & Marshall College	458	183	40.0
Gannon College	440	180	40.9
Geneva College	312	158	50.6
Gettysburg College	398	142	35.7
Grove City College	521	258	49.5
Gwynedd Mercy College	144	55	38.2
Haverford College	162	119	73.5
Holy Family College	111	11	9.9
Immaculata College	272	59	21.7
Juniata College	259	79	30.5
Lafayette College	458	225	49.1
Lancaster Bible College	45	18	40.0
LaSalle College	1,136	686	60.4
Lebanon Valley College	217	141	65.0
Lehigh University	792	149	18.8
Lycoming College	379	178	47.0
Marywood College	297	150	50.5
Mercyhurst College	211	155	73.5
Messiah College	175	77	44.0
Moore College of Art	131	53	40.5
Moravian College	322	246	76.4
Muhlenberg College	346	218	63.0
Our Lady of Angels College	54	37	68.5
Philadelphia Col. of Bible	113	58	51.3
Philadelphia Col. of Pharmacy & Science	147	130	88.4
Philadelphia Musical Academy	48	17	35.4

TABLE 1.0 (Cont'd)

Institution	Number of Graduates	Number of Returns	Per Cent of Returns
Private Colleges & Universities (Cont'd)			
Point Park College	361	108	29.9
Robert Morris College	442	193	43.7
Rosemont College	101	64	63.4
St. Joseph's College	921	271	29.4
St. Vincent College	239	194	81.2
Seton Hill College	132	82	62.1
Susquehanna University	313	215	68.7
Swarthmore College	280	36	12.9
Thiel College	299	129	43.1
United Wesleyan College	24	6	0.3
University of Scranton	435	117	26.9
Ursinus College	276	8	2.9
Villa Maria College	136	131	96.3
Villanova University	1,483	344	23.2
Washington & Jefferson College	255	210	82.4
Waynesburg College	230	82	35.7
Westminster College	347	148	42.7
Widener College	423	141	33.3
Wilson College	84	34	40.5
York College of Penna.	375	267	71.2
TOTAL	20,140	8,537	42.4
GRAND TOTAL	54,228*	26,719	49.3

*Degrees and Other Formal Awards Conferred by Pennsylvania Institutions of Higher Education 1973-74, Our Colleges and Universities Today, Division of Education Statistics, Bureau of Information Systems, Pennsylvania Department of Education, Harrisburg, 1975, Table 3.

TABLE 1.1

NUMBER OF USEABLE FOLLOW-UP RETURNS RECEIVED
FROM THE BACCALAUREATE DEGREE GRADUATES BY MAJOR DISCIPLINE

Major Discipline	Number of Graduates	Number of Useable Returns	Percentage of Returns
Agriculture & Natural Resources	440	301	68.4
Arch. & Environmental Design	245	160	65.3
Area Studies	143	83	58.0
Biological Sciences	3,010	1,077	35.8
Business & Management	7,499	2,780	37.1
Communications	572	244	42.7
Computer & Information Sciences	235	137	58.3
Education	12,883	10,412	80.8
Engineering	3,000	1,269	42.3
Fine & Applied Arts	1,662	502	30.2
Foreign Languages	1,452	266	18.3
Health Professions	2,262	978	43.2
Home Economics	692	283	40.9
Law	5	9*	100.0
Letters	4,048	863	21.3
Library Science	235	213	90.6
Mathematics	1,656	432	26.1
Physical Sciences	1,817	611	33.6
Psychology	3,049	1,044	34.2
Public Affairs & Services	1,315	593	45.1
Social Sciences	9,185	2,579	28.1
Theology	360	84	23.3
Interdisciplinary Studies	1,510	256	17.0
Grand Total	57,275	25,176**	44.0

*These returns reflect the period from December 1, 1973 through September 30, 1974 whereas the number of graduates reflect the period from July 1, 1973 through June 30, 1974.

**The total number of returns was 26,734. Because of incomplete or invalid information 1,558 returns were not useable.

TABLE 2.0

EMPLOYMENT STATUS BY MAJOR DISCIPLINE

Major Discipline	Total Reported	Per Cent In the Civilian Labor Force: Highly Related	Somewhat Related	Unrelated	Employed Part-Time	Seeking Employment	Total	Per Cent Other Status: Military	Grad School	Not Seeking Employment	Total
Agri. & Natural Resources	301	43.2	16.0	12.0	7.0	10.6	88.7	0.3	10.0	1.0	11.3
Arch. & Environm. Design	160	39.4	11.3	8.1	6.9	18.1	83.8	0.0	13.7	2.5	16.3
Area Studies	83	6.0	19.3	21.7	9.6	16.9	73.5	0.0	24.1	2.4	26.5
Biological Sciences	1077	14.7	8.7	16.2	7.3	15.0	61.9	0.8	34.0	3.3	38.1
Business & Management	2780	46.1	19.5	9.6	5.7	12.2	93.0	1.3	4.3	1.4	7.0
Communications	244	37.3	10.7	15.1	9.4	23.0	95.5	0.8	3.7	0.0	4.5
Computer & Inform. Sciences	137	78.1	4.4	2.2	2.2	5.1	92.0	2.2	5.8	0.0	8.0
Education	10,412	47.6	5.7	12.9	13.9	14.1	94.2	0.4	3.7	1.8	5.8
Engineering	1269	64.7	16.5	2.3	1.4	3.5	88.4	3.4	6.6	1.6	11.6
Fine & Applied Arts	502	18.3	10.0	16.9	14.7	24.3	84.3	0.4	11.2	4.2	15.7
Foreign Languages	266	8.6	7.1	25.6	10.2	24.4	75.9	1.9	18.1	4.1	24.1
Health Professions	978	68.0	1.5	3.1	5.4	7.0	85.0	3.1	9.4	2.5	15.0
Home Economics	283	35.0	11.0	11.3	10.2	25.4	93.0	1.1	1.4	4.6	7.1
Law	9	11.1	11.1	33.3	11.1	0.0	66.7	0.0	33.3	0.0	33.3
Letters	863	7.1	12.9	27.9	8.2	18.4	74.5	1.4	19.0	5.1	25.5
Library Science	213	60.5	2.3	7.0	7.5	14.1	92.4	0.5	3.8	3.3	7.6
Mathematics	432	22.0	27.8	12.7	6.0	15.0	83.6	2.5	12.5	1.4	16.4
Physical Sciences	611	26.2	11.3	8.2	4.1	11.3	61.0	2.3	34.4	2.3	39.0
Psychology	1044	14.9	15.3	22.8	8.5	17.6	79.2	1.3	16.8	2.7	20.8
Public Affairs & Services	593	35.6	9.6	15.0	9.9	20.1	90.2	1.9	5.4	2.5	9.8
Social Sciences	2579	10.0	12.3	24.2	7.6	19.7	73.9	2.6	20.1	3.3	26.1
Theology	84	40.5	16.7	13.1	8.3	7.1	85.7	0.0	11.9	2.4	14.3
Interdisciplinary Studies	256	4.3	12.9	36.3	5.1	16.4	75.0	2.0	16.8	6.3	25.0
Grand Total	25,176	38.1	10.1	14.1	9.7	14.5	86.7	1.2	9.8	2.3	13.3

TABLE 2.1

EMPLOYMENT STATUS BY MAJOR DISCIPLINE FOR STATE-OWNED INSTITUTIONS

Major Discipline	Total Reported	Per Cent In the Civilian Labor Force: Highly Related	Somewhat Related	Unrelated	Employed Part-Time	Seeking Employment	Total	Per Cent Other Status: Military	Grad School	Not Seeking Employment	Total
Agri. & Natural Resources	24	16.7	12.5	20.8	12.5	25.0	87.5	0.0	8.3	4.2	12.5
Arch. & Environm. Design	27	29.6	0.0	7.4	0.0	40.8	77.8	0.0	14.8	7.4	22.2
Area Studies	4	0.0	25.0	0.0	25.0	25.0	75.0	0.0	25.0	0.0	25.0
Biological Sciences	178	12.9	12.9	32.0	6.2	16.9	80.9	1.1	16.9	1.1	19.1
Business & Management	399	46.9	18.3	16.8	4.0	9.7	95.7	.2	2.8	1.3	4.3
Communications	29	34.5	10.3	13.8	10.4	24.1	93.1	3.4	3.5	0.0	6.9
Computer & Inform. Sciences	24	79.2	4.1	8.3	0.0	4.2	95.8	4.2	0.0	0.0	4.2
Education	7,316	49.2	5.6	13.4	13.1	13.7	95.0	.4	2.8	1.8	5.0
Fine & Applied Arts	55	21.8	12.7	21.8	14.6	18.2	89.1	1.8	9.1	0.0	10.9
Foreign Languages	48	0.0	8.3	45.9	6.2	25.0	85.4	0.0	12.5	2.1	14.6
Health Professions	194	77.8	1.0	5.7	3.6	4.1	92.2	0.0	5.2	2.6	7.8
Home Economics	73	37.0	8.2	5.5	9.6	30.1	90.4	4.1	1.4	4.1	9.6
Letters	116	10.3	13.8	37.1	6.9	16.4	84.5	0.0	12.1	3.4	15.5
Library Science	213	61.5	2.3	7.0	7.5	14.1	92.4	.5	3.8	3.3	7.6
Mathematics	110	21.8	25.5	20.9	4.5	16.4	89.1	1.8	9.1	0.0	10.9
Physical Sciences	92	21.7	10.9	13.1	5.4	16.3	67.4	1.1	27.2	4.3	32.6
Psychology	243	18.5	20.2	20.6	7.8	21.8	88.9	1.2	8.6	1.2	11.1
Public Affairs & Services	173	33.5	6.4	16.7	8.7	26.0	91.3	3.5	2.3	2.9	8.7
Social Sciences	608	15.5	11.7	27.3	7.2	25.0	86.5	2.5	8.7	2.3	13.5
Interdisciplinary Studies	92	6.5	7.6	51.1	2.2	15.2	82.6	0.0	13.1	4.3	17.4
Grand Total	10,018	44.2	7.3	15.5	11.3	14.9	93.2	.7	4.2	1.9	6.8

TABLE 2.2

EMPLOYMENT STATUS BY MAJOR DISCIPLINE FOR STATE-RELATED INSTITUTIONS

Major Discipline	Total Reported	Per Cent In the Civilian Labor Force						Per Cent Other Status			
		Highly Related	Somewhat Related	Unrelated	Employed Part-Time	Seeking Employment	Total	Military	Grad School	Not Seeking Employment	Total
Agri. & Natural Resources	167	35.3	19.2	13.2	7.8	14.4	89.8	.6	8.4	1.2	10.2
Arch. & Environm. Deisgn	80	45.0	17.5	10.0	6.3	11.3	90.0	0.0	7.5	2.5	10.0
Area Studies	13	7.7	15.4	38.4	15.4	15.4	92.3	0.0	7.7	0.0	7.7
Biological Sciences	252	14.3	12.3	14.7	6.3	13.9	61.5	1.2	34.1	3.2	38.5
Business & Management	695	46.9	21.6	8.5	4.3	12.7	94.0	1.5	3.6	.9	6.0
Communications	177	35.6	11.9	14.7	10.2	22.6	94.9	0.6	4.5	0.0	5.1
Computer & Inform. Sciences	93	79.6	5.4	0.0	1.0	4.3	90.3	2.2	7.5	0.0	9.7
Education	1,358	48.4	4.4	12.2	15.7	12.4	93.1	.6	4.3	2.0	6.9
Engineering	785	67.8	16.8	2.6	1.1	3.4	91.7	2.5	5.4	.4	8.3
Fine & Applied Arts	112	18.8	11.6	20.5	17.0	22.3	90.2	0.0	8.9	.9	9.8
Foreign Languages	52	7.6	11.5	27.0	7.7	15.4	71.2	2.0	23.0	3.8	28.8
Health Professions	408	68.9	1.9	2.2	2.4	7.4	82.8	3.4	12.5	1.2	17.2
Home Economics	145	31.7	11.0	15.9	11.7	24.1	94.5	0.0	1.4	4.1	5.5
Letters	187	7.5	12.3	35.3	7.5	15.5	78.1	1.6	15.0	5.3	21.9
Mathematics	91	18.7	27.4	14.3	9.9	16.5	86.8	2.2	9.9	1.1	13.2
Physical Sciences	156	34.6	17.9	9.0	1.9	9.0	72.4	5.1	20.5	2.0	27.6
Psychology	281	11.0	11.4	25.3	11.7	20.3	79.7	1.0	17.1	2.5	20.3
Public Affairs & Services	262	34.0	9.9	13.0	10.7	19.8	87.4	1.9	8.4	2.3	12.6
Social Sciences	559	7.7	10.9	25.8	7.9	20.6	72.8	2.7	22.9	1.6	27.2
Interdisciplinary Studies	95	2.1	14.7	27.4	9.5	17.9	71.6	1.1	16.8	10.5	28.4
Grand Total	5,968	40.0	11.7	13.1	8.3	13.3	86.4	1.6	10.2	1.8	13.6

TABLE 2.3

EMPLOYMENT STATUS BY MAJOR DISCIPLINE FOR PRIVATE STATE-AIDED INSTITUTIONS

Major Discipline	Total Reported	Per Cent In the Civilian Labor Force						Per Cent Other Status			
		Highly Related	Somewhat Related	Unrelated	Employed Part-Time	Seeking Employment	Total	Military	Grad School	Not Seeking Employment	Total
Agri. & Natural Resources	104	64.4	12.6	8.7	2.8	1.9	90.4	0.0	9.6	0.0	9.6
Arch. & Environm. Design	34	23.5	8.8	5.9	17.6	11.8	67.6	0.0	32.4	0.0	32.4
Area Studies	26	11.5	23.1	7.7	7.7	15.4	65.4	0.0	30.8	3.8	34.6
Biological Sciences	108	23.1	8.3	11.1	5.6	13.9	62.0	0.0	36.1	1.9	38.0
Business & Management	298	47.7	17.8	7.4	4.0	8.7	85.6	1.3	11.4	1.7	14.4
Computer & Inform Sciences	6	66.7	0.0	0.0	16.6	0.0	83.3	0.0	16.7	0.0	16.7
Education	71	18.3	9.8	16.9	11.3	29.6	85.9	0.0	12.7	1.4	14.1
Engineering	194	58.3	17.5	1.0	1.0	3.6	81.4	5.7	9.8	3.1	18.6
Fine & Applied Arts	104	25.0	9.6	6.7	11.5	38.5	91.3	0.0	2.9	5.8	8.7
Foreign Languages	15	13.3	0.0	6.7	6.7	33.3	60.0	0.0	26.7	13.3	40.0
Health Professions	8	12.5	0.0	0.0	0.0	0.0	12.5	0.0	87.5	0.0	87.5
Home Economics	10	50.0	0.0	0.0	0.0	50.0	100.0	0.0	0.0	0.0	0.0
Letters	58	8.6	15.5	15.5	6.9	17.3	63.8	0.0	34.5	1.7	36.2
Mathematics	35	20.0	31.4	0.0	5.7	5.7	62.8	8.6	25.7	2.9	37.2
Physical Sciences	38	21.1	5.3	18.4	5.2	13.2	63.2	2.6	34.2	0.0	36.8
Psychology	64	23.4	12.5	10.9	1.6	14.1	62.5	0.0	34.4	3.1	37.5
Social Sciences	209	3.8	13.9	20.6	4.8	13.4	56.5	0.0	40.6	2.9	43.5
Interdisciplinary Studies	6	0.0	0.0	0.0	0.0	33.3	33.3	0.0	50.0	16.7	66.7
Grand Total	1,388	32.6	14.0	9.7	5.2	13.3	74.8	1.4	21.4	2.4	25.2

TABLE 2.4

EMPLOYMENT STATUS BY MAJOR DISCIPLINE FOR PRIVATE COLLEGES AND UNIVERSITIES

Major Discipline	Total Reported	Per Cent In the Civilian Labor Force						Per Cent Other Status			
		Highly Related	Somewhat Related	Unrelated	Employed Part-Time	Seeking Employment	Total	Military	Grad School	Not Seeking Employment	Total
Agri. & Natural Resources	6	0.0	0.0	0.0	33.3	0.0	33.3	0.0	66.7	0.0	66.7
Arch. & Environm. Design	19	57.9	5.3	5.3	0.0	26.3	94.8	0.0	5.2	0.0	5.2
Area Studies	40	2.5	17.5	27.5	7.5	17.5	72.5	0.0	25.0	2.5	27.5
Biological Sciences	539	13.7	5.8	12.8	8.5	15.0	55.8	.8	39.1	4.3	44.2
Business & Management	1,388	45.1	19.2	8.6	7.1	13.3	93.3	1.4	3.6	1.7	6.7
Communications	38	47.4	5.3	18.4	5.3	23.7	100.0	0.0	0.0	0.0	0.0
Computer & Inform. Sciences	14	71.4	0.0	7.2	7.1	14.3	100.0	0.0	0.0	0.0	0.0
Education	1,667	40.9	6.7	11.0	15.9	17.1	91.6	.1	6.8	1.5	8.4
Engineering	290	60.7	14.8	2.4	2.4	3.8	84.1	4.2	7.9	3.8	15.9
Fine & Applied Arts	231	14.3	8.7	18.6	15.2	20.3	77.1	.4	16.4	6.1	22.9
Foreign Languages	151	10.6	6.0	20.5	12.6	26.5	76.2	2.6	17.2	4.0	23.8
Health Professions	368	62.5	1.4	3.0	9.8	8.4	85.1	4.3	6.5	4.1	14.9
Home Economics	55	38.1	16.4	9.1	9.1	18.2	90.9	0.0	1.8	7.3	9.1
Law	9	11.1	11.1	33.4	11.1	0.0	66.7	0.0	33.3	0.0	33.3
Letters	502	6.0	12.5	24.5	9.0	20.1	72.1	1.8	20.3	5.8	27.9
Mathematics	196	24.0	28.6	9.7	5.1	15.3	82.7	2.0	13.2	2.1	17.3
Physical Sciences	325	24.0	8.9	5.2	4.6	10.8	53.5	1.2	43.1	2.2	46.5
Psychology	456	14.3	15.6	24.1	7.8	14.3	76.1	2.0	18.4	3.5	23.9
Public Affairs & Services	158	40.5	12.6	16.5	10.1	14.0	93.7	0.0	3.8	2.5	6.3
Social Sciences	1,203	9.3	13.1	22.6	8.2	17.8	71.0	3.2	21.1	4.7	29.0
Theology	84	40.5	16.7	13.1	8.3	7.1	85.7	0.0	11.9	2.4	14.3
Interdisciplinary Studies	63	4.8	19.0	31.7	3.2	14.3	73.0	6.3	19.1	1.6	27.0
Grand Total	7,802	29.9	11.9	14.0	9.6	15.3	80.7	1.8	14.6	3.1	19.3

TABLE 2.5

EMPLOYMENT STATUS BY SEX WITHIN INSTITUTIONAL CATEGORY

	Total Reported	Per Cent In the Civilian Labor Force						Per Cent Other Status			
		Highly Related	Somewhat Related	Unrelated	Employed Part-Time	Seeking Employment	Total	Military	Grad School	Not Seeking Employment	Total
State-Owned											
Male	3,845	39.7	9.6	21.0	8.4	13.3	92.0	1.3	5.4	1.3	8.0
Female	6,180	47.0	5.9	12.1	13.1	15.9	94.0	.3	3.4	2.3	6.0
Total	10,025	44.2	7.3	15.5	11.3	14.9	93.2	.7	4.2	1.9	6.8
State-Related											
Male	3,608	39.8	14.4	13.1	5.7	12.0	85.0	2.4	11.5	1.1	15.0
Female	2,379	39.9	7.8	13.0	12.3	15.4	88.5	.5	8.0	2.9	11.5
Total	5,987	39.9	11.7	13.1	8.3	13.4	86.4	1.6	10.1	1.8	13.6
State-Aided											
Male	955	38.4	14.6	8.8	4.5	7.9	74.2	1.9	21.4	2.5	25.8
Female	437	19.7	12.4	12.1	6.6	25.2	76.0	.2	21.5	2.3	24.0
Total	1,392	32.5	13.9	9.8	5.2	13.3	74.8	1.4	21.4	2.4	25.2
Private Col. & Univ.											
Male	4,221	27.6	13.2	15.1	7.7	13.4	77.0	2.3	17.6	3.1	23.0
Female	3,608	32.6	10.4	12.6	11.9	17.5	85.0	.8	11.0	3.2	15.0
Total	7,829	29.9	11.9	14.0	9.6	15.3	80.7	1.6	14.6	3.1	19.3
Total All Institutions											
Male	12,629	35.6	12.5	15.9	7.1	12.5	83.6	2.0	12.4	1.9	16.4
Female	12,604	40.6	7.8	12.4	12.4	16.6	89.7	.5	7.1	2.7	10.3
Total	25,233	38.1	10.1	14.2	9.7	14.6	86.7	1.2	9.8	2.3	13.3

TABLE 2.6

EMPLOYMENT STATUS BY SEX AND BY INSTITUTIONS WITHIN PLANNING REGIONS

Planning Region	Total Reported	Per Cent In the Civilian Labor Force: Highly Related	Somewhat Related	Unrelated	Employed Part-Time	Seeking Employment	Total	Per Cent Other Status: Military	Grad School	Not Seeking Employment	Total
Delaware Valley											
Male	3,120	31.6	12.9	12.5	9.3	12.9	79.2	2.5	15.6	2.7	20.8
Female	2,681	37.7	8.9	11.8	13.1	14.3	85.8	.6	11.3	2.3	14.2
Total	5,801	34.4	11.9	12.2	11.1	13.6	82.3	1.6	13.6	2.5	17.7
Lehigh Valley											
Male	1,110	31.2	10.8	19.7	8.5	11.2	81.4	.8	15.4	2.4	18.6
Female	1,464	37.5	7.7	15.8	13.5	16.5	91.0	.3	6.1	2.7	9.1
Total	2,574	34.8	9.0	17.5	11.3	14.2	86.8	.5	10.1	2.6	13.2
Northeast											
Male	94	24.5	13.8	17.0	9.6	13.8	78.7	1.1	20.2	0.0	21.3
Female	232	51.7	6.0	9.9	13.8	11.2	92.7	0.0	5.6	1.7	7.3
Total	326	43.9	8.3	11.9	12.6	11.9	88.7	.3	7.8	1.2	11.3
Northern Tier											
Male	291	38.8	12.0	18.6	6.9	13.7	90.0	.7	7.9	1.4	10.0
Female	467	48.6	6.4	12.6	9.9	13.5	91.0	.4	5.6	3.0	9.0
Total	758	44.9	8.6	14.9	8.7	13.6	90.6	.5	6.5	2.4	9.4
Susquehanna											
Male	3,044	42.7	14.3	13.1	4.3	10.8	85.2	2.4	11.3	1.1	14.8
Female	1,923	41.0	7.5	15.1	9.6	15.5	88.8	.6	7.8	2.8	11.2
Total	4,967	42.0	11.7	13.9	6.4	12.6	86.6	1.7	9.9	1.8	13.4
Capitol											
Male	1,092	37.2	12.0	20.4	5.1	8.7	83.4	1.2	13.5	1.9	16.6
Female	1,336	41.4	9.4	16.4	9.8	13.8	90.8	.4	5.1	3.6	9.1
Total	2,428	39.5	10.5	18.2	7.7	11.5	87.5	.8	8.9	2.8	12.5
Turnpike											
Male	35	31.4	17.1	22.9	8.6	5.7	85.7	5.7	2.9	5.7	14.3
Female	38	42.1	10.5	10.5	18.4	5.3	86.8	2.6	10.5	0.0	13.2
Total	73	37.0	13.7	16.4	13.7	5.5	86.3	4.1	6.8	2.7	13.7
Southwest											
Male	3,102	34.7	11.3	17.1	7.7	15.8	86.6	2.1	9.5	1.8	13.4
Female	3,319	40.6	7.2	8.9	14.3	21.1	92.1	.5	5.0	2.4	7.9
Total	6,421	37.7	9.2	12.8	11.1	18.6	89.5	1.2	7.2	2.1	10.5
Northwest											
Male	741	31.8	11.9	22.1	7.3	11.9	85.0	1.3	11.5	2.2	15.0
Female	1,144	44.5	6.0	11.2	11.7	16.3	89.8	.4	6.7	3.1	10.2
Total	1,885	39.5	8.3	15.5	10.0	14.6	87.9	.7	8.6	2.8	12.1
Statewide Totals											
Male	12,629	35.6	12.5	15.9	7.1	12.5	83.6	2.0	12.4	1.9	16.4
Female	12,604	40.6	7.8	12.4	12.4	16.6	89.7	.5	7.1	2.7	10.3
TOTAL	25,233	38.1	10.1	14.1	9.7	14.6	86.7	1.2	9.8	2.3	13.3

TABLE 2.70

EMPLOYMENT STATUS BY MAJOR DISCIPLINE FOR THE DELAWARE PLANNING REGION

Major Discipline	Total Reported	Per Cent In the Civilian Labor Force: Highly Related	Somewhat Related	Unrelated	Employed Part-Time	Seeking Employment	Total	Per Cent Other Status: Military	Grad School	Not Seeking Employment	Total
Agri. & Natural Resources	105	64.7	12.4	8.6	2.9	1.9	90.5	0.0	9.5	0.0	9.5
Arch. & Environ. Design	51	33.3	9.8	3.9	11.8	15.7	74.5	0.0	25.5	0.0	25.5
Area Studies	37	8.1	27.0	13.5	8.1	13.5	70.3	0.0	27.0	2.7	29.7
Biological Sciences	293	18.0	5.5	8.5	10.6	16.4	59.0	0.0	36.9	4.1	41.0
Business & Management	927	42.1	18.6	8.0	9.0	12.7	90.4	1.9	5.7	1.9	9.6
Communications	90	30.0	13.3	16.7	12.2	23.3	95.6	0.0	4.4	0.0	4.4
Computer & Infor. Sciences	15	86.6	0.0	0.0	6.7	0.0	93.3	0.0	6.7	0.0	6.7
Education	1,563	49.8	6.0	11.3	15.9	10.9	93.9	0.2	4.4	1.5	6.1
Engineering	278	56.8	18.3	1.4	1.1	4.0	81.6	7.2	8.3	2.9	18.3
Fine & Applied Arts	265	22.6	9.8	12.4	16.2	25.8	86.8	0.4	7.9	4.9	13.2
Foreign Languages	79	15.2	3.8	16.5	12.6	26.6	74.7	1.3	17.7	6.3	25.3
Health Professions	269	58.7	1.9	1.4	11.9	9.7	83.6	4.1	10.4	1.9	16.4
Home Economics	15	53.3	0.0	0.0	0.0	40.0	93.3	0.0	0.0	6.7	6.7
Letters	316	7.9	12.0	23.1	11.1	19.3	73.4	1.9	19.3	5.4	26.6
Library Science	3	0.0	0.0	66.7	0.0	33.3	100.0	0.0	0.0	0.0	0.0
Mathematics	101	21.8	25.7	6.9	5.9	14.0	74.3	5.0	18.8	1.9	25.7
Physical Sciences	159	26.4	10.7	9.4	5.0	8.8	60.4	1.9	36.4	1.3	39.6
Psychology	263	18.3	13.7	19.8	9.1	12.9	73.8	0.4	23.2	2.7	26.2
Public Affairs & Services	120	38.3	10.8	10.0	14.2	10.8	84.2	0.8	9.2	5.8	15.8
Social Sciences	763	6.4	11.7	22.3	9.0	17.2	66.6	2.4	28.0	3.0	33.4
Theology	36	44.4	25.0	11.1	8.3	8.3	97.2	0.0	2.8	0.0	2.8
Interdisciplinary Studies	49	4.1	8.2	22.4	10.2	22.4	67.3	8.2	18.4	6.1	32.7
Grand Total	5,797	34.4	11.0	12.2	11.1	13.6	82.3	1.6	13.6	2.5	17.7

TABLE 2.71

EMPLOYMENT STATUS BY MAJOR DISCIPLINE FOR THE LEHIGH VALLEY REGION

Major Discipline	Total Reported	Per Cent In the Civilian Labor Force: Highly Related	Somewhat Related	Unrelated	Employed Part-Time	Seeking Employment	Total	Per Cent Other Status: Military	Grad School	Not Seeking Employment	Total
Area Studies	12	0.0	0.0	25.0	8.3	25.0	58.3	0.0	33.3	8.3	41.7
Biological Sciences	107	11.2	8.4	9.3	4.7	17.8	51.4	0.9	45.8	1.9	48.6
Business & Management	111	46.0	17.1	9.0	4.5	10.8	87.4	1.8	5.4	5.4	12.6
Education	1,388	41.3	5.3	19.2	15.2	14.1	95.2	0.1	2.9	1.8	4.8
Engineering	132	56.8	15.9	3.0	3.8	3.8	83.3	0.0	11.4	5.3	16.7
Fine & Applied Arts	39	20.5	7.7	20.5	20.5	17.9	87.2	0.0	12.8	0.0	12.8
Foreign Languages	33	6.1	6.1	27.3	15.2	30.3	84.9	3.0	12.1	0.0	15.1
Health Professions	60	71.6	1.7	1.7	5.0	5.0	85.0	0.0	13.3	1.7	15.0
Home Economics	7	28.6	28.6	14.3	14.2	14.2	100.0	0.0	0.0	0.0	0.0
Letters	71	12.7	12.7	23.9	7.0	22.5	78.9	2.8	12.7	5.6	21.1
Library Science	40	67.5	2.5	2.5	2.5	15.0	90.0	0.0	7.5	2.5	10.0
Mathematics	42	23.8	33.3	11.9	7.1	7.1	83.3	0.0	16.7	0.0	16.7
Physical Sciences	70	31.4	8.6	4.3	4.3	10.0	58.6	0.0	38.6	2.8	41.4
Psychology	112	9.8	13.4	26.8	9.8	16.9	76.8	0.0	18.8	4.5	23.2
Public Affairs & Services	29	51.7	10.3	10.3	6.9	13.8	93.1	0.0	3.4	3.4	6.9
Social Sciences	291	9.6	16.8	25.1	6.9	17.2	75.6	2.1	18.6	3.8	24.4
Theology	9	44.4	11.1	11.1	0.0	0.0	66.7	0.0	33.3	0.0	33.3
Interdisciplinary Studies	16	18.8	18.8	18.8	0.0	25.0	81.3	0.0	18.7	0.0	18.7
Grand Total	2,569	34.8	9.0	17.5	11.2	14.2	86.8	0.5	10.1	2.6	13.2

TABLE 2.72

EMPLOYMENT STATUS BY MAJOR DISCIPLINE FOR THE NORTHEAST PLANNING REGION

		In the Civilian Labor Force						Other Status			
Major Discipline	Total Reported	Highly Related	Somewhat Related	Unrelated	Employed Part-Time	Seeking Employ-ment	Total	Military	Grad School	Not Seek-ing Em-ployment	Total
Biological Sciences	9	33.3	0.0	11.1	0.0	33.4	77.8	0.0	22.2	0.0	22.2
Business & Management	37	48.7	16.2	13.5	5.4	13.5	97.3	0.0	2.7	0.0	2.7
Education	184	51.1	6.0	10.9	14.6	12.0	94.6	0.0	4.3	1.1	5.4
Fine & Applied Arts	4	25.0	0.0	0.0	50.0	0.0	75.0	0.0	25.0	0.0	25.0
Health Professions	10	90.0	0.0	0.0	0.0	0.0	90.0	0.0	10.0	0.0	10.0
Home Economics	15	40.0	6.7	13.3	6.7	20.0	86.7	0.0	0.0	13.3	13.3
Letters	11	0.0	9.1	27.3	9.1	18.1	63.6	0.0	36.4	0.0	36.4
Physical Sciences	5	0.0	60.0	0.0	0.0	0.0	60.0	0.0	40.0	0.0	40.0
Psychology	11	54.5	0.0	9.1	18.2	0.0	81.8	0.0	18.2	0.0	18.2
Social Sciences	30	10.0	10.0	16.7	20.0	10.0	66.7	3.3	30.0	0.0	33.3
Grand Total	316	44.3	7.9	11.7	13.0	12.0	88.9	0.3	9.5	1.3	11.1

TABLE 2.73

EMPLOYMENT STATUS BY MAJOR DISCIPLINE FOR THE NORTHERN TIER PLANNING REGION

		In the Civilian Labor Force						Other Status			
Major Discipline	Total Reported	Highly Related	Somewhat Related	Unrelated	Employed Part-Time	Seeking Employ-ment	Total	Military	Grad School	Not Seek-ing Em-ployment	Total
Biological Sciences	21	28.6	9.5	14.3	4.8	19.0	76.2	0.0	23.8	0.0	23.8
Business & Management	35	60.0	28.6	2.9	2.8	0.0	94.3	0.0	5.7	0.0	5.7
Education	488	53.5	5.7	11.9	10.5	13.3	94.9	0.0	2.9	2.3	5.1
Fine & Applied Arts	12	0.0	8.3	33.3	8.3	25.0	75.0	0.0	16.7	8.3	25.0
Foreign Languages	4	0.0	0.0	0.0	0.0	50.0	50.0	25.0	25.0	0.0	50.0
Health Professions	9	88.9	0.0	0.0	0.0	0.0	88.9	0.0	11.1	0.0	11.1
Home Economics	16	18.8	6.2	6.3	12.5	43.8	87.5	0.0	6.3	6.2	12.5
Letters	16	18.8	12.5	31.2	12.5	12.5	87.5	0.0	12.5	0.0	12.5
Library Science	16	50.0	0.0	12.5	6.3	25.0	93.8	0.0	0.0	6.2	6.2
Mathematics	17	41.1	11.8	23.5	5.9	0.0	82.3	5.9	11.8	0.0	17.7
Physical Sciences	9	55.6	0.0	11.1	0.0	22.2	88.9	0.0	11.1	0.0	11.1
Psychology	31	19.3	19.4	32.3	3.2	6.5	80.7	0.0	16.1	3.2	19.3
Public Affairs & Services	33	21.2	6.1	30.3	6.0	18.2	81.8	6.1	6.1	6.0	18.2
Social Sciences	44	9.1	25.0	27.3	6.8	13.6	81.8	0.0	18.2	0.0	18.2
Grand Total	751	45.1	8.7	14.8	8.8	13.7	91.1	0.5	6.1	2.3	8.9

TABLE 2.74

EMPLOYMENT STATUS BY MAJOR DISCIPLINE FOR THE SUSQUEHANNA PLANNING REGION

		In the Civilian Labor Force						Other Status			
Major Discipline	Total Reported	Highly Related	Somewhat Related	Unrelated	Employed Part-Time	Seeking Employ-ment	Total	Military	Grad School	Not Seek-ing Em-ployment	Total
Agri. & Natural Resources	166	34.9	19.3	13.3	7.8	14.5	89.8	0.6	8.4	1.2	10.2
Arch. & Environ. Design	77	45.4	16.9	10.4	6.5	11.7	90.9	0.0	6.5	2.6	9.1
Area Studies	13	7.7	15.3	38.5	7.7	15.3	84.6	0.0	15.4	0.0	15.4
Biological Sciences	206	14.1	11.7	16.5	4.4	15.0	61.7	1.5	33.9	2.9	38.3
Business & Management	694	47.1	19.9	11.4	3.7	12.0	94.1	1.5	3.7	0.7	5.9
Communications	93	43.0	9.7	11.8	7.5	22.6	94.6	1.1	4.3	0.0	5.4
Computer & Infor. Sciences	87	77.0	4.6	0.0	1.1	5.8	88.5	3.5	8.0	0.0	11.5
Education	1,505	54.2	5.8	12.7	9.8	9.6	92.1	0.8	5.4	1.7	7.9
Engineering	663	66.8	16.7	2.4	1.1	3.5	90.5	2.9	6.3	0.3	9.5
Fine & Applied Arts	58	13.8	10.3	25.9	8.6	25.9	84.5	0.0	13.8	1.7	15.5
Foreign Languages	37	2.7	2.7	27.0	16.2	27.1	75.7	2.7	16.2	5.4	24.3
Health Professions	163	50.9	1.8	3.7	3.7	14.7	75.0	2.4	20.8	1.8	25.0
Home Economics	137	30.6	11.7	16.8	12.4	24.1	95.6	0.0	1.5	2.9	4.4
Letters	114	3.5	15.8	33.3	3.5	17.6	73.7	2.6	18.4	5.3	26.3
Library Science	3	66.7	0.0	0.0	0.0	0.0	66.7	0.0	33.3	0.0	33.3
Mathematics	60	21.7	23.3	11.7	5.0	18.3	80.0	3.3	15.0	1.7	20.0
Physical Sciences	134	29.1	13.4	8.2	2.2	9.7	62.6	6.0	29.9	1.5	37.4
Psychology	144	7.6	14.6	26.4	8.4	20.8	77.8	3.5	1.6	2.8	22.2
Public Affairs & Services	169	24.8	7.7	18.3	10.7	27.8	89.3	3.0	5.9	1.8	10.7
Social Sciences	320	7.8	10.3	28.4	6.3	20.9	73.8	1.9	21.6	2.8	26.3
Theology	4	0.0	0.0	25.0	0.0	25.0	25.0	0.0	50.0	25.0	75.0
Interdisciplinary Studies	111	2.7	10.8	46.0	4.5	12.6	76.6	0.9	15.3	7.2	23.4
Grand Total	4,958	42.1	11.6	13.9	6.4	12.6	86.6	1.7	9.9	1.8	13.4

TABLE 2.75

EMPLOYMENT STATUS BY MAJOR DISCIPLINE FOR THE CAPITOL PLANNING REGION

		In the Civilian Labor Force						Other Status			
Major Discipline	Total Reported	Highly Related	Somewhat Related	Unrelated	Employed Part-Time	Seeking Employment	Total	Military	Grad School	Not Seeking Employment	Total
Agri. & Natural Resources	4	0.0	0.0	0.0	25.0	0.0	25.0	0.0	75.0	0.0	75.0
Area Studies	8	12.5	25.0	0.0	25.0	12.5	75.0	0.0	25.0	0.0	25.0
Biological Sciences	110	10.9	6.4	25.4	6.4	10.0	59.1	0.0	35.4	5.5	40.9
Business & Management	237	56.5	20.7	8.0	1.7	7.6	94.5	0.0	4.2	1.3	5.5
Communications	14	42.9	0.0	21.4	0.0	28.6	92.9	7.1	0.0	0.0	7.1
Education	1,158	51.9	8.1	15.0	10.1	10.1	95.2	0.5	2.1	2.2	4.8
Fine & Applied Arts	30	6.7	3.3	30.0	10.0	23.3	73.3	0.0	20.0	6.7	26.7
Foreign Languages	37	10.8	5.4	37.9	2.7	24.3	81.1	0.0	10.8	8.1	18.9
Health Professions	57	70.2	1.7	10.5	1.8	3.5	87.7	1.8	5.3	5.2	12.3
Letters	91	2.2	12.1	34.1	8.8	18.7	75.8	0.0	22.0	2.2	24.2
Library Science	67	68.6	2.9	9.0	7.5	7.5	95.5	1.5	3.0	0.0	4.5
Mathematics	46	15.2	23.9	15.2	6.5	21.8	82.6	0.0	13.0	4.4	17.4
Physical Sciences	70	21.4	11.4	10.0	7.2	7.1	57.1	0.0	40.0	2.9	42.9
Psychology	117	14.5	18.8	28.2	7.7	12.0	81.2	2.6	13.7	2.5	18.8
Public Affairs & Services	76	42.1	14.5	21.1	7.9	7.8	93.4	3.9	1.3	1.3	6.6
Social Sciences	261	10.7	11.1	30.3	4.6	18.4	75.1	1.5	18.4	5.0	24.9
Theology	21	42.9	14.3	19.1	9.5	4.7	90.5	0.0	0.0	9.5	9.5
Interdisciplinary Studies	13	0.0	15.4	38.4	0.0	30.8	84.6	0.0	15.4	0.0	15.4
Grand Total	2,417	39.5	10.6	18.2	7.7	11.5	87.5	0.8	8.9	2.8	12.5

TABLE 2.76

EMPLOYMENT STATUS BY MAJOR DISCIPLINE FOR THE TURNPIKE PLANNING REGION

		In the Civilian Labor Force						Other Status			
Major Discipline	Total Reported	Highly Related	Somewhat Related	Unrelated	Employed Part-Time	Seeking Employment	Total	Military	Grad School	Not Seeking Employment	Total
Biological Sciences	16	37.5	12.5	18.8	18.7	0.0	87.5	0.0	6.3	6.2	12.5
Business & Management	4	100.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0
Education	17	64.7	5.9	0.0	11.8	5.9	88.2	0.0	11.8	0.0	11.8
Foreign Languages	3	0.0	0.0	33.3	66.7	0.0	100.0	0.0	0.0	0.0	0.0
Physical Sciences	4	25.0	0.0	0.0	25.0	25.0	75.0	25.0	0.0	0.0	25.0
Psychology	8	12.5	12.5	37.5	12.5	12.5	87.5	0.0	12.5	0.0	12.5
Social Sciences	12	8.4	33.3	25.0	8.3	0.0	75.0	8.3	8.3	8.4	25.0
Grand Total	64	37.5	12.5	15.6	15.6	4.7	85.9	3.1	7.8	3.1	14.0

TABLE 2.77

EMPLOYMENT STATUS BY MAJOR DISCIPLINE FOR THE SOUTHWEST PLANNING REGION

		In the Civilian Labor Force						Other Status			
Major Discipline	Total Reported	Highly Related	Somewhat Related	Unrelated	Employed Part-Time	Seeking Employment	Total	Military	Grad School	Not Seeking Employment	Total
Agri. & Natural Resources	23	17.4	13.1	21.7	13.0	26.1	91.3	0.0	4.4	4.3	8.7
Arch. & Environ. Design	29	34.5	0.0	6.9	0.0	37.9	79.3	0.0	13.8	6.9	20.7
Area Studies	11	0.0	18.2	27.2	9.1	27.3	81.8	0.0	18.2	0.0	18.2
Biological Sciences	274	12.0	11.3	22.3	7.3	13.9	66.8	1.8	28.5	2.9	33.2
Business & Management	591	46.7	20.8	8.5	5.2	14.4	95.6	0.9	2.5	1.0	4.4
Communications	38	42.1	5.3	15.8	10.5	23.7	97.4	0.0	2.6	0.0	2.6
Computer & Infor. Sciences	33	75.8	6.1	9.1	3.0	6.0	100.0	0.0	0.0	0.0	0.0
Education	3,070	43.7	5.0	10.1	16.4	19.8	95.0	0.5	3.1	1.5	5.0
Engineering	177	75.2	12.4	3.4	1.1	2.8	94.9	2.3	1.7	1.1	5.1
Fine & Applied Arts	61	13.1	16.3	19.7	8.2	23.0	80.3	1.6	14.8	3.3	19.7
Foreign Languages	62	6.5	14.5	25.8	4.9	16.1	67.8	1.6	29.0	1.6	32.2
Health Professions	303	84.5	1.3	1.7	2.0	2.6	92.1	4.0	1.6	2.3	7.9
Home Economics	70	42.9	5.7	5.7	10.0	24.3	88.6	4.3	0.0	7.1	11.4
Letters	194	7.7	10.3	33.0	6.7	16.5	74.2	0.0	19.1	6.7	25.8
Library Science	30	43.3	0.0	10.0	20.0	20.0	93.3	0.0	0.0	6.7	6.7
Mathematics	131	22.9	31.3	13.7	6.9	18.3	93.1	0.8	5.3	0.8	6.8
Physical Sciences	123	26.0	11.4	7.3	1.6	16.3	62.6	0.8	32.5	4.1	37.4
Psychology	285	15.4	15.8	19.7	8.1	24.9	83.9	1.0	13.0	2.1	16.1
Public Affairs & Services	117	37.6	8.5	9.4	10.3	29.9	95.7	0.0	3.4	0.9	4.3
Social Sciences	730	13.6	11.9	22.2	7.6	24.4	79.7	3.9	13.2	3.2	20.3
Theology	11	27.3	9.0	18.2	18.2	18.2	90.9	0.0	9.1	0.0	9.1
Interdisciplinary Studies	52	5.8	19.2	30.8	5.7	15.4	76.9	7.7	15.4	7.7	23.1
Grand Total	6,415	37.7	9.2	12.9	11.1	18.6	89.5	1.1	7.2	2.1	10.5

TABLE 2.78

EMPLOYMENT STATUS BY MAJOR DISCIPLINE FOR THE NORTHWEST PLANNING REGION

Major Discipline	Total Reported	In the Civilian Labor Force						Other Status			
		Highly Related	Somewhat Related	Unrelated	Employed Part-Time	Seeking Employment	Total	Military	Grad School	Not Seeking Employment	Total
Biological Sciences	41	9.8	7.3	24.4	7.3	17.1	65.9	0.0	34.1	0.0	34.1
Business & Management	144	41.7	16.7	20.1	3.5	11.8	93.8	0.0	4.8	1.4	6.2
Communications	8	25.0	37.5	25.0	0.0	12.5	100.0	0.0	0.0	0.0	0.0
Education	1,039	45.9	4.6	14.3	13.2	14.4	92.4	0.3	4.7	2.6	7.6
Engineering	15	73.3	20.0	0.0	0.0	6.7	100.0	0.0	0.0	0.0	0.0
Fine & Applied Arts	32	12.5	9.3	12.5	21.9	25.0	81.2	0.0	12.5	6.3	18.7
Foreign Languages	11	0.0	18.2	45.4	0.0	27.3	90.9	0.0	9.1	0.0	9.1
Health Professions	106	61.3	0.9	8.5	4.7	5.7	81.1	1.8	11.3	5.7	18.9
Home Economics	21	38.1	28.5	4.8	4.8	19.0	95.2	0.0	4.8	0.0	4.8
Letters	50	6.0	24.0	20.0	6.0	18.0	74.0	2.0	20.0	4.0	26.0
Library Science	64	57.8	3.1	6.2	6.3	17.2	90.6	0.0	4.7	4.7	9.4
Mathematics	32	15.6	34.4	18.8	3.1	9.4	81.2	6.3	12.5	0.0	18.8
Physical Sciences	37	10.8	8.1	10.8	8.1	18.9	56.8	2.7	37.8	2.7	43.2
Psychology	73	16.4	19.2	20.6	8.2	17.8	82.2	2.7	12.3	2.7	17.8
Public Affairs & Services	47	53.2	10.6	8.5	4.3	17.0	93.6	0.0	6.4	0.0	6.4
Social Sciences	137	15.3	10.2	24.1	8.0	18.2	75.9	2.2	17.5	4.4	24.1
Theology	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	100.0
Interdisciplinary Studies	11	0.0	0.0	54.5	0.0	9.1	63.6	0.0	27.3	9.1	36.4
Grand Total	1,871	39.4	8.2	15.5	10.0	14.6	87.9	0.7	8.6	2.8	12.1

Table 2.79a

A COMPARISON OF PLANNING REGION EMPLOYMENT STATUS MEANS FOR MAJOR DISCIPLINES*

Major Discipline	Statewide	Delaware	Lehigh	Northeast	Northern Tier	Susque-hanna	Capitol	Turnpike	Southwest	Northwest
Engineering	2.97	2.97	2.90	-	-	2.97	-	-	2.97	3.00
Computer & Info. Sciences	2.95	2.86	-	-	-	2.43	-	-	2.94	-
Health Professions	2.86	2.68	2.88	3.00	3.00	2.88	2.96	-	2.96	2.88
Business & Management	2.86	2.96	2.88	2.87	2.86	2.91	2.96	3.00	2.87	2.91
Physical Sciences	2.84	2.81	2.82	3.00	3.00	2.92	2.71	2.00	2.93	2.57
Interdiscip. Studies	2.83	2.55	3.00	-	-	2.86	3.00	-	2.81	3.00
Mathematics	2.82	2.80	2.81	-	2.86	2.84	2.79	-	2.82	2.91
Agri. & Natural Resources	2.82	2.94	-	-	-	2.79	1.00	-	2.60	-
Library Sciences	2.80	3.00	2.93	-	2.82	3.00	2.83	-	2.45	2.87
Arch. & Environ. Design	2.79	2.60	-	-	-	2.84	-	-	3.00	-
Theology	2.79	2.81	3.00	-	-	2.48	2.78	-	2.50	0.0
Communications	2.74	2.66	-	-	-	2.79	3.00	-	2.71	3.00
Psychology	2.72	2.70	2.67	2.56	2.91	2.71	2.78	2.67	2.73	2.75
Public Affairs & Services	2.72	2.61	2.83	-	2.81	2.65	2.82	-	2.69	2.89
Social Sciences	2.72	2.64	2.76	2.29	2.80	2.76	2.84	2.79	2.73	2.72
Letters	2.71	2.59	2.75	2.60	2.67	2.88	2.69	-	2.77	2.79
Home Economics	2.70	3.00	2.67	2.80	2.43	2.65	-	-	2.69	2.87
Biological Sciences	2.69	2.50	2.72	3.00	2.83	2.81	2.74	2.57	2.72	2.70
Area Studies	2.68	2.71	2.50	-	-	2.78	2.20	-	2.66	-
Law	2.67	-	-	-	-	-	-	-	-	-
Education	2.65	2.62	2.62	2.65	2.74	2.76	2.77	2.71	2.56	2.93
Foreign Languages	2.60	2.48	2.44	-	0.0	2.33	2.90	1.65	2.81	3.00
Fine & Applied Arts	2.51	2.47	2.41	1.67	2.67	2.71	2.60	-	2.71	2.22

*The mean values shown in this table are calculated by assigning a weight of 1 to "seeking employment," 2 to "employed part time" and 3 to "employed full time" using the percentage figures of Tables 2.71 to 2.78, e.g., in Table 2.71, for area studies, (3 x 25) + (2 x 8.3) + (1 x 25) + the sum of 25 + 8.3 + 25.

**A dash indicates that there were no responses from graduates in this discipline from this region.

Table 2.79b

A COMPARISON OF PLANNING REGION FULL-TIME EMPLOYMENT PERCENTAGES FOR MAJOR DISCIPLINES

	Statewide and Regional Full-Time Employment Percentages*									
Major Discipline	Statewide	Delaware	Lehigh	Northeast	Northern Tier	Susque-hanna	Capitol	Turnpike	Southwest	Northwest
Computer & Inform.Sciences	84.7	86.6				81.6			91.0	
Engineering	83.5	76.5	75.7			85.9			91.0	93.3
Business & Management	75.2	68.7	72.1	78.4	91.5	78.4	85.2	100.0	76.0	78.5
Health Professions	72.6	62.0	75.0	90.0	88.9	56.4	82.4		87.5	70.7
Agric. & Nat. Resources	71.2	85.7				67.5			52.2	
Theology	70.3	80.5	66.6			25.0	76.3		54.5	
Library Science	69.8	66.7	72.5		62.5	66.7	80.5		53.3	67.1
Education	66.2	67.1	65.8	68.0	71.1	72.7	75.0	70.6	58.8	64.8
Communications	63.1	60.0				64.5	64.3		63.2	87.5
Mathematics	62.5	54.4	69.0		76.4	56.7	54.3		67.9	68.8
Public Affairs & Services	60.2	59.1	72.3		57.6	50.8	77.7		55.5	72.3
Arch. & Environ. Design	58.8	47.0				72.7			41.4	
Home Economics	57.3	53.3	71.5	60.0	31.3	59.1			54.3	71.4
Interdisciplinary Studies	53.5	34.7	56.4			59.5	53.8		55.8	54.5
Psychology	53.0	51.8	50.3	63.6	71.0	48.6	61.5	62.5	50.9	56.2
Area Studies	50.6	48.6	25.0			61.5	37.5		45.4	
Letters	47.9	43.0	49.3	36.4	62.5	52.6	48.4		51.0	50.0
Social Sciences	46.5	40.4	51.5	36.7	61.4	46.5	52.1	66.7	47.7	49.6
Physical Sciences	45.7	46.5	44.3	60.0	66.7	50.7	42.8	25.0	44.7	29.7
Fine Arts	45.2	44.8	48.7	25.0	41.6	50.0	40.0		49.1	34.3
Foreign Languages	41.3	35.5	39.5			32.4	54.1	33.3	46.8	63.6
Biological Sciences	39.6	32.0	28.9	44.4	52.4	42.3	42.7	68.8	45.6	41.5

*Full-time employment percentages were obtained by summing the figures for "highly related," "somewhat related," and "unrelated."

TABLE 2.8

EMPLOYMENT STATUS BY RACE WITHIN PLANNING REGION

Planning Region	Total Reported	Per Cent In the Civilian Labor Force						Per Cent Other Status			
		Highly Related	Somewhat Related	Unrelated	Employed Part-Time	Seeking Employment	Total	Military	Grad School	Not Seeking Employment	Total
Delaware Valley											
Black	367	37.3	9.3	8.2	13.6	16.9	85.3	.5	12.3	1.9	14.7
American Indian	4	0.0	0.0	25.0	25.0	50.0	100.0	0.0	0.0	0.0	0.0
Spanish Surnamed	36	36.1	13.9	13.9	2.8	5.5	72.2	2.8	22.2	2.8	27.8
Oriental	43	11.6	4.7	7.0	23.2	9.3	55.8	2.3	39.5	2.3	44.2
White & Other	5,222	34.1	11.2	12.6	11.0	13.5	82.4	1.6	13.4	2.6	17.6
Lehigh Valley											
Black	32	31.2	18.8	15.6	3.1	9.4	78.1	6.3	12.5	3.1	21.9
American Indian	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spanish Surnamed	1	100.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0
Oriental	4	50.0	0.0	25.0	0.0	0.0	75.0	0.0	0.0	25.0	25.0
White & Other	2,342	31.8	9.4	17.7	12.3	15.2	86.4	.5	10.5	2.6	13.8
Northeast											
Black	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
American Indian	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spanish Surnamed	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oriental	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
White & Other	324	43.5	8.3	12.0	12.7	12.0	88.6	.3	9.9	1.2	11.4
Northern Tier											
Black	4	50.0	25.0	0.0	0.0	0.0	75.0	0.0	25.0	0.0	25.0
American Indian	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spanish Surnamed	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oriental	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
White & Other	749	44.7	8.5	15.1	8.8	13.6	90.8	.5	6.4	2.3	9.2
Susquehanna											
Black	60	46.7	11.7	8.3	8.3	11.7	86.7	1.7	8.3	3.3	13.3
American Indian	1	100.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0
Spanish Surnamed	9	11.1	22.2	22.2	0.0	0.0	55.6	0.0	33.3	11.1	44.4
Oriental	13	38.4	15.4	15.4	0.0	0.0	69.2	0.0	30.8	0.0	30.8
White & Other	4,702	41.8	11.8	13.8	6.4	13.0	86.9	1.7	9.8	1.7	13.1
Capitol											
Black	22	36.4	22.7	13.6	13.6	0.0	86.3	4.6	9.1	0.0	13.7
American Indian	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spanish Surnamed	4	50.0	25.0	0.0	0.0	25.0	100.0	0.0	0.0	0.0	0.0
Oriental	8	37.5	0.0	0.0	12.5	25.0	75.0	0.0	12.5	12.5	25.0
White & Other	2,365	39.7	10.5	18.3	7.7	11.5	87.7	.7	8.7	2.9	12.3
Turnpike											
Black	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
American Indian	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spanish Surnamed	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oriental	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
White & Other	71	38.0	14.1	15.5	14.1	5.6	87.3	2.8	7.0	2.8	12.7
Southwest											
Black	106	43.4	8.5	7.5	8.5	20.8	88.7	0.0	7.5	3.8	11.3
American Indian	7	28.5	14.3	14.3	14.3	14.3	85.7	0.0	14.3	0.0	14.3
Spanish Surnamed	11	54.5	0.0	9.1	0.0	9.1	72.7	0.0	18.2	9.1	27.3
Oriental	10	20.0	20.0	20.0	10.0	30.0	100.0	0.0	0.0	0.0	0.0
White & Other	6,008	37.9	9.3	12.1	11.6	19.2	90.2	1.2	6.7	1.9	9.8
Northwest											
Black	22	45.5	9.1	4.5	4.5	18.2	81.8	0.0	18.2	0.0	18.2
American Indian	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spanish Surnamed	2	0.0	0.0	50.0	0.0	0.0	50.0	0.0	50.0	0.0	50.0
Oriental	2	0.0	50.0	0.0	0.0	0.0	50.0	0.0	50.0	0.0	50.0
White & Other	1,839	39.4	8.3	15.7	10.0	14.6	88.0	0.8	8.4	2.8	12.0
Total For All Regions											
Black	613	39.3	10.4	8.5	11.3	16.0	85.5	.9	11.3	2.3	14.5
American Indian	12	25.0	8.3	16.7	16.7	25.0	91.7	0.0	8.3	0.0	8.3
Spanish Surnamed	63	36.5	12.7	14.3	1.6	6.3	71.4	1.6	22.2	4.8	28.6
Oriental	80	21.2	8.8	10.0	15.0	11.3	66.3	1.2	28.7	3.8	33.7
White & Other	23,622	37.8	10.2	14.1	9.9	14.9	87.0	1.2	9.5	2.3	13.0
Grand Total	24,390	37.8	10.3	14.0	10.0	14.6	86.8	1.2	9.7	2.3	13.2

TABLE 2.91

EMPLOYMENT STATUS BY MAJOR DISCIPLINE FOR BLACKS

Major Discipline	Total Reported	Per Cent In the Civilian Labor Force						Per Cent Other Status			
		Highly Related	Somewhat Related	Unrelated	Employed Part-Time	Seeking Employment	Total	Military	Grad School	Not Seeking Employment	Total
Arch. & Environ. Design	6	0.0	33.3	16.7	0.0	16.7	66.7	0.0	16.7	16.7	33.3
Area Studies	1	0.0	0.0	0.0	100.0	0.0	100.0	0.0	0.0	0.0	0.0
Biological Sciences	22	13.6	13.6	4.5	13.6	13.6	59.1	0.0	40.9	0.0	40.9
Business & Management	40	37.5	30.0	7.5	7.5	10.0	92.5	0.0	7.5	0.0	7.5
Communications	5	20.0	40.0	20.0	20.0	0.0	100.0	0.0	0.0	0.0	0.0
Computer & Infor. Sciences	3	100.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0
Education	278	57.2	4.7	5.0	14.0	10.8	91.7	0.3	6.5	1.4	8.3
Engineering	4	50.0	50.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0
Fine & Applied Arts	15	6.7	0.0	6.7	20.0	46.6	80.0	0.0	13.3	6.7	20.0
Foreign Languages	4	0.0	0.0	25.0	0.0	25.0	50.0	25.0	25.0	0.0	50.0
Health Professions	26	65.4	3.9	0.0	7.7	11.5	88.5	0.0	7.7	3.8	11.5
Home Economics	3	0.0	0.0	33.3	0.0	66.7	100.0	0.0	0.0	0.0	0.0
Letters	26	15.4	3.9	11.5	15.4	30.7	76.9	0.0	19.2	3.9	23.1
Mathematics	9	44.4	11.1	11.1	0.0	33.3	100.0	0.0	0.0	0.0	0.0
Physical Sciences	8	25.0	25.0	0.0	0.0	25.0	75.0	0.0	25.0	0.0	25.0
Psychology	25	28.0	12.0	12.0	8.0	20.0	80.0	0.0	16.0	4.0	20.0
Public Affairs & Services	33	36.4	15.1	9.1	9.1	12.1	81.8	3.0	9.1	6.1	18.2
Social Sciences	101	9.9	15.8	17.8	7.9	24.8	76.2	3.0	18.8	2.0	23.8
Interdisciplinary Studies	4	25.0	25.0	25.0	0.0	0.0	75.0	0.0	0.0	25.0	25.0
Grand Total	613	39.3	10.4	8.5	11.3	16.0	85.5	1.0	11.2	2.3	14.5

TABLE 2.92

EMPLOYMENT STATUS BY MAJOR DISCIPLINE FOR AMERICAN INDIANS

Major Discipline	Total Reported	Per Cent In the Civilian Labor Force						Per Cent Other Status			
		Highly Related	Somewhat Related	Unrelated	Employed Part-Time	Seeking Employment	Total	Military	Grad School	Not Seeking Employment	Total
Arch. & Environ. Design	1	100.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0
Biological Sciences	1	0.0	0.0	100.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0
Business & Management	1	100.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0
Communications	1	0.0	0.0	0.0	0.0	100.0	100.0	0.0	0.0	0.0	0.0
Education	3	0.0	33.3	0.0	33.3	33.3	100.0	0.0	0.0	0.0	0.0
Fine & Applied Arts	1	0.0	0.0	100.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0
Public Affairs & Services	1	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0
Social Sciences	3	33.3	0.0	0.0	33.3	0.0	66.7	0.0	33.3	0.0	33.3
Grand Total	12	25.0	8.3	16.7	16.7	25.0	91.7	0.0	8.3	0.0	8.3

TABLE 2.93

EMPLOYMENT STATUS BY MAJOR DISCIPLINE FOR SPANISH-SURNAMED

Major Discipline	Total Reported	Per Cent In the Civilian Labor Force						Per Cent Other Status			
		Highly Related	Somewhat Related	Unrelated	Employed Part-Time	Seeking Employment	Total	Military	Grad School	Not Seeking Employment	Total
Biological Sciences	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	100.0
Business & Management	5	40.0	40.0	0.0	0.0	0.0	80.0	0.0	20.0	0.0	20.0
Communications	1	100.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0
Education	22	45.5	9.1	18.2	0.0	4.5	77.3	4.5	4.5	13.6	22.7
Engineering	5	40.0	20.0	0.0	0.0	20.0	80.0	20.0	0.0	0.0	20.0
Fine & Applied Arts	6	33.3	0.0	33.3	0.0	0.0	66.7	0.0	33.3	0.0	33.3
Foreign Languages	2	50.0	50.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0
Health Professions	4	75.0	0.0	0.0	0.0	25.0	100.0	0.0	0.0	0.0	0.0
Letters	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	100.0
Library Science	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	100.0
Mathematics	1	0.0	100.0	0.0	0.0	0.0	100.0	0.0	00.0	0.0	0.0
Physical Sciences	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	100.0
Psychology	1	0.0	0.0	100.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0
Public Affairs & Services	1	0.0	0.0	100.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0
Social Sciences	12	16.7	8.3	0.0	0.0	8.3	33.3	0.0	66.7	0.0	66.7
Theology	1	0.0	0.0	0.0	100.0	0.0	100.0	0.0	0.0	0.0	0.0
Interdisciplinary Studies	1	0.0	0.0	100.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0
Grand Total	66	34.8	12.1	13.6	1.5	6.1	68.2	3.0	21.2	7.6	31.8

TABLE 2.94

EMPLOYMENT STATUS BY MAJOR DISCIPLINE FOR ORIENTALS

Major Discipline	Total Reported	Per Cent In the Civilian Labor Force: Highly Related	Somewhat Related	Unrelated	Employed Part-Time	Seeking Employment	Total	Per Cent Other Status: Military	Grad School	Not Seeking Employment	Total
Agri. & Natural Resources	2	0.0	50.0	0.0	0.0	0.0	50.0	0.0	50.0	0.0	50.0
Arch. & Environ. Design	1	0.0	100.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0
Area Studies	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	100.0
Biological Sciences	5	0.0	0.0	40.0	0.0	20.0	60.0	0.0	40.0	0.0	40.0
Business & Management	6	16.7	0.0	0.0	16.7	16.7	50.0	16.7	16.7	16.7	50.0
Computer & Infor. Sciences	1	100.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0
Education	8	62.5	0.0	0.0	12.5	25.0	100.0	0.0	0.0	0.0	0.0
Engineering	7	57.1	14.3	0.0	0.0	14.3	85.7	0.0	0.0	14.3	14.3
Fine & Applied Arts	4	0.0	25.0	0.0	25.0	25.0	75.0	0.0	25.0	0.0	25.0
Health Professions	7	14.3	0.0	0.0	57.1	0.0	71.4	0.0	28.6	0.0	28.6
Letters	2	0.0	0.0	50.0	0.0	0.0	50.0	0.0	50.0	0.0	50.0
Mathematics	7	14.3	28.6	0.0	0.0	0.0	42.9	0.0	57.1	0.0	57.1
Physical Sciences	6	50.0	0.0	0.0	0.0	0.0	50.0	0.0	50.0	0.0	50.0
Psychology	7	0.0	0.0	14.3	42.9	0.0	57.1	0.0	28.6	14.3	42.9
Social Sciences	12	8.3	8.3	33.3	0.0	16.7	66.7	0.0	33.3	0.0	33.3
Theology	1	0.0	0.0	0.0	100.0	0.0	100.0	0.0	0.0	0.0	0.0
Interdisciplinary Studies	2	0.0	0.0	0.0	50.0	50.0	100.0	0.0	0.0	0.0	0.0
Grand Total	80	21.3	8.7	10.0	15.0	11.3	66.3	1.3	28.7	3.7	33.7

TABLE 2.95

EMPLOYMENT STATUS BY MAJOR DISCIPLINE FOR WHITES AND OTHERS

Major Discipline	Total Reported	Per Cent In The Civilian Labor Force: Highly Related	Somewhat Related	Unrelated	Employed Part-Time	Seeking Employment	Total	Per Cent Other Status: Military	Grad School	Not Seeking Employment	Total
Agri. & Natural Resources	294	44.2	15.7	12.2	6.5	10.5	89.1	0.3	9.5	1.0	10.9
Arch. & Environ. Design	145	40.0	10.3	7.6	7.6	19.3	84.8	0.0	13.1	2.0	15.2
Area Studies	80	6.2	20.0	22.5	8.7	17.5	75.0	0.0	22.5	2.5	25.0
Biological Sciences	1,006	15.1	8.7	15.5	7.6	15.4	62.3	0.7	33.7	3.3	37.7
Business & Management	2,657	46.0	19.4	9.5	5.7	12.5	93.1	1.3	4.1	1.5	6.9
Communications	232	37.9	10.3	15.1	9.1	22.8	95.3	0.8	3.9	0.0	4.7
Computer & Infor. Sciences	128	77.3	4.7	1.6	2.3	5.5	91.4	2.3	6.3	0.0	8.6
Education	9,671	46.7	5.7	13.0	14.3	14.7	94.4	0.4	3.5	1.7	5.6
Engineering	1,237	65.0	16.2	2.3	1.5	3.4	88.4	3.4	6.7	1.5	11.6
Fine & Applied Arts	447	16.6	10.5	17.4	15.2	25.1	84.8	0.4	10.5	4.3	15.2
Foreign Languages	249	8.4	6.8	25.0	10.8	25.3	76.3	1.6	17.7	4.4	23.7
Health Professions	916	68.1	1.5	3.1	5.1	7.1	84.9	3.2	9.3	2.6	15.1
Home Economics	276	35.5	10.9	11.2	10.5	25.0	93.1	0.7	1.4	4.7	6.9
Letters	804	6.6	13.7	27.5	8.3	18.5	74.6	1.2	18.8	5.3	25.4
Library Science	220	59.1	3.4	8.2	7.7	15.4	92.7	0.5	4.1	2.7	7.3
Mathematics	401	21.4	28.2	12.7	6.2	15.5	84.0	2.7	11.7	1.5	16.0
Physical Sciences	573	26.5	11.7	7.5	4.3	11.7	61.8	2.4	34.0	1.8	38.2
Psychology	987	14.6	15.9	22.7	8.6	17.6	79.4	1.3	16.7	2.5	20.6
Public Affairs & Services	545	36.0	9.5	15.4	10.2	20.4	91.5	1.8	4.6	2.0	8.4
Social Sciences	2,354	9.7	12.5	24.4	7.9	20.1	74.6	2.5	19.5	3.4	25.4
Theology	84	39.3	16.6	14.3	6.0	7.1	83.3	0.0	13.1	3.6	16.7
Interdisciplinary Studies	239	4.2	12.6	36.4	5.0	17.1	75.3	2.1	16.3	6.3	24.7
Grand Total	23,545	37.9	10.2	4.1	9.9	14.9	87.0	1.2	9.5	2.3	13.0

TABLE 3.0

GEOGRAPHIC LOCATION OF EMPLOYED GRADUATES BY SEX WITHIN INSTITUTIONAL CATEGORY

Institutional Category	Total Reported	Per Cent in Pennsylvania: Same County	Same Region	Elsewhere	Total in State	Per Cent Outside Pa.: Adjacent State	Other	Total Outside
State-Owned								
Male	3,195	16.2	30.6	34.0	80.8	11.3	7.8	19.1
Female	3,117	14.5	31.2	36.9	82.6	11.1	6.2	17.3
Total	8,312	15.2	31.0	35.8	82.0	11.2	6.8	18.0
State-Related								
Male	2,961	22.8	7.9	41.1	71.8	15.1	13.1	28.2
Female	1,886	38.1	8.1	37.0	83.2	9.1	7.7	16.8
Total	4,847	28.8	8.0	39.5	76.3	12.8	11.0	23.8
Private State-Aided								
Male	734	31.1	18.5	11.9	61.5	26.0	12.5	38.5
Female	257	44.0	11.3	3.1	58.4	25.7	16.0	41.7
Total	991	34.4	16.6	9.6	60.6	25.9	13.4	39.3
Private Col. & Univ.								
Male	3,223	32.4	20.2	15.3	67.9	21.2	10.9	32.1
Female	2,726	29.2	18.6	15.8	63.6	23.7	12.7	36.4
Total	5,949	30.9	19.4	15.5	65.8	22.3	11.7	34.0
Total All Institutions								
Male	10,113	24.4	19.8	28.5	72.7	16.6	10.7	27.3
Female	9,986	23.7	22.9	30.3	76.9	14.6	8.5	23.1
Total	20,099	24.0	21.3	29.4	74.7	15.6	9.6	25.2

TABLE 3.1

GEOGRAPHIC LOCATION OF EMPLOYED GRADUATES BY SEX WITHIN MAJOR DISCIPLINE

Major Discipline	Total Reported	Per Cent in Pennsylvania: Same County	Same Region	Elsewhere	Total in State	Per Cent Outside PA: Adjacent State	Other	Total Outside
Agri. & Natural Resources								
Male	226	10.6	12.4	35.4	58.4	23.9	17.7	41.6
Female	22	18.2	4.5	27.3	50.0	18.2	31.8	50.0
Total	248	11.3	11.7	34.7	57.7	23.4	19.0	42.4
Arch. & Environ. Design								
Male	84	9.5	6.0	41.7	57.2	25.0	17.9	42.9
Female	26	34.6	3.8	23.1	61.5	30.8	7.7	38.5
Total	110	15.5	5.5	37.3	58.3	26.4	15.5	41.9
Area Studies								
Male	25	24.0	12.0	28.0	64.0	8.0	28.0	36.0
Female	25	32.0	16.0	8.0	56.0	20.0	24.0	44.0
Total	50	28.0	14.0	18.0	60.0	14.0	26.0	40.0
Biological Sciences								
Male	469	25.8	19.8	27.3	72.9	16.4	10.7	27.1
Female	231	26.8	22.1	19.9	68.7	17.7	13.4	31.1
Total	700	26.1	20.6	24.9	71.4	16.9	11.6	28.3
Business & Management								
Male	2,089	31.0	20.1	25.0	76.1	15.4	8.6	24.0
Female	273	30.4	18.3	26.0	74.7	15.8	9.5	25.3
Total	2,362	30.9	19.9	25.1	75.9	15.4	8.7	24.1
Communications								
Male	120	32.5	13.3	33.3	79.1	13.3	7.5	20.8
Female	68	20.6	11.8	41.2	73.6	14.7	11.8	26.5
Total	188	28.2	12.8	36.2	77.2	13.8	9.0	22.8
Computer & Infor. Sciences								
Male	107	19.6	15.9	24.3	59.8	26.2	14.0	40.2
Female	20	25.0	25.0	30.0	80.0	20.0	0.0	20.0
Total	127	20.5	17.3	25.2	63.0	25.2	11.8	37.0
Education								
Male	2,631	19.4	27.7	33.4	80.5	13.1	6.4	19.5
Female	6,158	21.0	25.6	34.2	80.8	13.0	6.2	19.2
Total	8,789	20.5	26.2	34.0	80.7	13.0	6.3	19.3

TABLE 3.1 (Cont'd)

Major Discipline	Total Reported	Per Cent in Pennsylvania				Per Cent Outside PA		
		Same County	Same Region	Elsewhere	Total in State	Adjacent State	Other	Total Outside
Engineering								
Male	1,161	15.0	8.5	37.1	60.6	25.2	14.2	39.4
Female	25	16.0	8.0	32.0	56.0	32.0	12.0	44.0
Total	1,186	15.0	8.5	37.0	60.5	25.3	14.2	39.5
Fine & Applied Arts								
Male	136	26.5	14.0	22.1	62.6	25.7	11.8	37.5
Female	227	33.9	18.5	15.4	67.8	21.6	10.6	32.2
Total	363	31.1	16.8	17.9	65.8	23.1	11.0	34.1
Foreign Languages								
Male	27	44.4	25.9	14.8	85.1	7.4	7.4	14.8
Female	138	24.6	13.8	23.2	61.6	22.5	15.9	38.4
Total	165	27.9	15.8	21.8	65.5	20.0	14.5	34.5
Health Professions								
Male	201	26.4	15.9	23.9	66.2	22.4	11.4	33.8
Female	667	25.9	20.5	25.5	71.9	15.0	13.0	28.0
Total	868	26.0	19.5	25.1	70.6	16.7	12.7	29.4
Home Economics								
Male	33	6.1	9.1	45.5	60.7	12.1	27.3	39.4
Female	175	24.0	12.6	44.0	80.6	12.0	7.4	19.4
Total	208	21.2	12.0	44.2	77.4	12.1	10.6	22.7
Letters								
Male	294	32.0	18.0	20.7	70.7	15.3	13.9	29.2
Female	297	33.3	16.5	15.5	65.3	19.2	15.5	34.7
Total	591	32.7	17.3	18.1	68.1	17.2	14.7	31.9
Library Science								
Male	22	13.6	22.7	36.4	72.7	22.7	4.5	27.2
Female	163	12.3	26.4	36.8	75.5	19.6	4.9	24.5
Total	185	12.4	25.9	36.8	75.1	20.0	4.9	24.9
Mathematics								
Male	194	27.3	17.0	23.7	68.0	19.6	12.3	31.9
Female	144	19.4	26.4	22.9	68.7	18.1	9.7	27.8
Total	338	24.0	21.0	23.3	68.3	18.9	12.7	31.6
Physical Sciences								
Male	343	27.0	15.1	20.1	62.2	17.4	20.1	37.5
Female	79	21.5	19.0	10.1	50.6	24.1	25.3	49.4
Total	422	26.0	15.8	18.2	60.0	18.7	21.0	39.7
Psychology								
Male	361	34.2	21.5	17.4	73.1	14.3	12.1	26.4
Female	382	30.1	20.9	21.2	72.2	15.4	12.3	27.7
Total	743	32.1	21.2	19.3	72.6	14.9	12.2	27.1
Public Affairs & Services								
Male	230	27.8	15.7	31.7	75.2	11.7	13.0	24.7
Female	215	46.5	16.7	22.8	86.0	8.4	5.6	14.0
Total	445	36.9	16.1	27.4	80.4	10.1	9.4	19.5
Social Sciences								
Male	1,140	29.2	20.5	21.5	71.2	16.2	12.5	28.7
Female	554	28.7	17.1	22.7	68.5	18.6	12.8	31.4
Total	1,694	29.0	19.4	21.9	70.3	17.0	12.6	29.6
Theology								
Male	53	15.1	15.1	28.3	58.5	17.0	24.5	41.5
Female	32	28.1	9.4	15.6	53.1	15.6	31.2	46.8
Total	85	20.0	12.9	23.5	56.4	16.5	27.1	43.6
Interdisciplinary Studies								
Male	120	23.3	21.7	33.3	78.3	11.7	10.0	21.7
Female	53	26.4	13.2	35.8	75.4	11.3	13.2	24.5
Total	173	24.3	19.1	34.1	77.5	11.6	11.0	22.6
Grand Total								
Male	10,066	24.4	19.8	28.5	72.7	16.7	10.8	27.5
Female	9,974	23.7	22.9	30.3	76.9	14.5	8.5	23.0
Total	20,040	24.1	21.4	29.4	74.9	15.6	9.6	25.2

TABLE 3.2

GEOGRAPHIC LOCATION BY SEX OF EMPLOYED GRADUATES WITHIN THE PLANNING REGION OF THE INSTITUTION CONFERRING DEGREE

Planning Region	Total Reported	Per Cent in Pennsylvania				Per Cent Outside PA		
		Same County	Same Region	Elsewhere	Total in State	Adjacent State	Other	Total Outside
Delaware Valley								
Male	2,481	37.2	25.4	8.3	70.9	19.1	10.1	29.2
Female	2,141	38.1	29.1	8.0	75.2	16.4	8.3	24.7
Total	4,622	37.6	27.1	8.2	72.9	17.8	9.2	27.0
Lehigh Valley								
Male	874	19.6	22.4	30.5	72.5	20.6	6.9	27.5
Female	1,170	17.7	22.6	39.0	79.3	15.0	5.8	20.8
Total	2,044	18.5	22.5	35.4	76.4	17.4	6.3	23.7
Northeast								
Male	80	56.3	12.5	13.8	82.6	12.5	5.0	17.5
Female	200	39.5	9.5	13.5	62.5	31.5	6.0	37.5
Total	280	44.3	10.4	13.6	68.3	26.1	5.7	31.8
Northern Tier								
Male	239	13.0	5.4	54.3	72.7	18.8	8.4	27.2
Female	378	7.9	10.6	51.6	70.1	23.5	6.3	29.8
Total	617	10.0	8.6	52.7	71.3	21.7	7.1	28.8
Susquehanna								
Male	2,498	6.8	3.6	57.1	67.5	17.8	14.7	32.5
Female	1,507	9.8	5.8	63.4	79.0	11.9	9.0	20.9
Total	4,005	7.9	4.4	59.5	71.8	15.6	12.6	28.2
Capitol								
Male	907	26.7	26.6	26.8	80.1	13.3	6.6	19.9
Female	1,108	24.2	27.1	27.5	78.8	12.0	9.2	21.2
Total	2,015	25.3	26.8	27.2	79.3	12.6	8.0	20.6
Turnpike								
Male	33	12.1	6.1	54.5	72.7	6.1	21.2	27.3
Female	35	0.0	5.7	62.9	68.6	11.4	20.0	31.4
Total	68	5.9	5.9	58.8	70.6	8.8	20.6	29.4
Southwest								
Male	2,416	29.2	31.7	15.6	76.5	13.0	10.5	23.5
Female	2,543	23.9	33.3	19.9	77.1	12.7	10.2	22.9
Total	4,959	26.5	32.5	17.8	76.8	12.8	10.3	23.1
Northwest								
Male	585	30.1	8.7	35.3	74.1	15.9	9.9	25.8
Female	904	23.6	11.2	42.7	77.5	15.2	7.4	22.6
Total	1,489	26.1	10.2	39.8	76.1	15.4	8.4	23.8

TABLE 3.3

GEOGRAPHIC LOCATION BY RACE OR ETHNICITY OF EMPLOYED GRADUATES WITHIN THE PLANNING REGION OF THE INSTITUTION CONFERRING DEGREE

Planning Region	Total Reported	Per Cent in Pennsylvania				Per Cent Outside PA		
		Same County	Same Region	Elsewhere	Total in State	Adjacent State	Other	Total Outside
Delaware Valley								
Black	272	54.0	27.2	2.6	83.8	11.8	4.4	16.2
American Indian	2	100.0	0.0	0.0	100.0	0.0	0.0	0.0
Spanish Surnamed	27	40.7	18.5	13.7	72.9	25.9	11.1	37.0
Oriental	27	63.0	14.8	0.0	77.8	3.7	18.5	22.2
White & Other	4,189	36.2	27.2	8.7	72.1	18.4	9.5	27.9
Lehigh Valley								
Black	24	4.2	12.5	29.2	45.9	29.2	25.0	54.2
American Indian	1	0.0	100.0	0.0	100.0	0.0	0.0	0.0
Spanish Surnamed	1	100.0	0.0	0.0	100.0	0.0	0.0	0.0
Oriental	4	25.0	0.0	50.0	75.0	25.0	0.0	25.0
White & Other	1,836	19.1	23.0	34.3	76.3	17.1	6.5	23.6
Northeast								
Black	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
American Indian	0	0.0	0.0	000	0.0	0.0	0.0	0.0
Spanish Surnamed	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oriental	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
White & Other	276	44.6	10.5	13.4	68.5	25.7	5.8	30.7
Northern Tier								
Black	3	0.0	0.0	0.0	0.0	66.7	33.3	100.0
American Indian	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spanish Surnamed	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oriental	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
White & Other	611	9.7	8.5	53.2	71.4	21.6	7.0	28.6
Susquehanna								
Black	47	2.1	0.0	68.1	70.2	17.0	12.8	29.8
American Indian	1	0.0	0.0	0.0	0.0	0.0	100.0	100.0
Spanish Surnamed	6	16.7	16.7	66.7	100.1	0.0	0.0	0.0
Oriental	11	36.3	0.0	27.3	63.6	18.2	18.2	36.4
White & Other	3,785	7.9	4.2	59.4	71.5	15.7	12.7	28.4
Capitol								
Black	21	23.8	14.3	23.8	61.9	19.0	19.0	38.0
American Indian	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spanish Surnamed	3	0.0	33.3	66.7	100.0	0.0	0.0	0.0
Oriental	6	16.7	16.7	16.7	50.1	16.7	33.3	50.0
White & Other	1,963	25.6	26.9	27.1	79.6	12.5	7.8	20.3
Turnpike								
Black	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
American Indian	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spanish Surnamed	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oriental	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
White & Other	66	6.0	6.0	57.6	69.6	9.0	21.2	30.2
Southwest								
Black	76	42.1	22.4	6.6	71.1	15.8	13.2	29.0
American Indian	5	80.0	20.0	0.0	100.0	0.0	0.0	0.0
Spanish Surnamed	7	57.1	14.3	14.3	85.7	14.2	0.0	14.2
Oriental	8	37.5	12.5	12.5	62.5	12.5	25.0	37.5
White & Other	4,647	26.2	32.9	17.8	76.9	12.9	10.2	23.1
Northwest								
Black	15	26.7	0.0	46.7	73.4	13.3	13.3	26.6
American Indian	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spanish Surnamed	1	0.0	0.0	0.0	0.0	0.0	100.0	100.0
Oriental	1	0.0	0.0	0.0	0.0	0.0	100.0	100.0
White & Other	1,457	25.9	10.4	39.8	76.2	15.6	8.2	23.8
Total for All Regions								
Black	458	41.5	21.2	13.8	76.5	14.6	9.0	23.6
American Indian	9	66.7	22.2	0.0	88.9	0.0	11.1	11.1
Spanish Surnamed	45	37.8	17.8	17.8	73.4	17.8	8.9	26.7
Oriental	57	45.6	10.5	12.3	68.4	10.5	21.1	31.6
White & Other	18,830	23.6	21.3	29.7	74.6	15.7	9.6	25.3
Grand Total	19,399	24.2	21.3	29.2	74.7	15.7	9.7	25.4

TABLE 3.4

GEOGRAPHIC LOCATION BY RACE OR ETHNICITY OF EMPLOYED GRADUATES
WITHIN INSTITUTIONAL CATEGORY

Institutional Category	Total Reported	Per Cent in Pennsylvania: Same County	Same Region	Elsewhere	Total in State	Per Cent Outside Pa.: Adjacent State	Other	Total Outside
State-Owned Institutions								
Black	145	17.2	47.6	15.9	80.7	13.8	5.5	19.3
American Indian	1	0.0	100.0	0.0	100.0	0.0	0.0	0.0
Spanish Surnamed	10	0.0	30.0	50.0	80.0	10.0	100.0	110.0
Oriental	9	11.1	11.1	44.4	66.6	11.1	22.2	33.3
White & Other	7,665	15.2	31.2	35.7	82.1	11.1	6.8	17.9
State-Related Common. Univ.								
Black	192	58.3	5.2	17.2	80.7	11.5	7.8	19.3
American Indian	2	50.0	0.0	0.0	50.0	0.0	50.0	50.0
Spanish Surnamed	17	70.6	5.9	17.6	94.1	5.9	0.0	5.9
Oriental	17	58.8	0.0	11.8	70.6	11.8	17.6	29.4
White & Other	4,550	27.1	8.1	40.6	75.8	12.9	11.2	24.1
Private State-Aided								
Black	31	67.7	12.9	0.0	80.6	16.1	3.2	19.3
American Indian	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spanish Surnamed	3	0.0	33.3	0.0	33.3	0.0	66.7	66.7
Oriental	11	54.5	27.3	0.0	81.8	0.0	18.2	18.2
White & Other	907	32.1	16.6	10.5	59.2	27.0	13.6	40.6
Private Col. & Univ.								
Black	90	35.6	15.6	7.8	59.0	22.2	18.9	41.1
American Indian	6	83.3	16.7	0.0	100.0	0.0	0.0	0.0
Spanish Surnamed	15	33.3	20.0	0.0	53.3	40.0	6.7	46.7
Oriental	20	45.0	10.0	5.0	60.0	15.0	25.0	40.0
White & Other	5,726	30.8	19.4	15.8	66.0	22.4	11.6	34.0
Total All Institutions								
Black	458	41.5	21.2	13.8	76.5	14.6	9.0	23.6
American Indian	9	66.7	22.2	0.0	88.9	0.0	11.1	11.1
Spanish Surnamed	45	37.8	17.8	17.8	73.4	17.8	8.9	26.7
Oriental	57	45.6	10.5	12.3	68.4	10.5	21.1	31.6
White & Other	18,848	23.6	21.3	29.6	74.5	15.7	9.6	25.3

Variables included: County of Institution, Race, Employment Status, County of Employment, Institution Type.

TABLE 3.51

GEOGRAPHIC LOCATION OF EMPLOYED GRADUATES BY MAJOR
DISCIPLINE FOR BLACKS

Major Discipline	Total Reported	Per Cent In Pennsylvania: Same County	Same Region	Elsewhere	Total in State	Per Cent Outside PA: Adjacent State	Other	Total Outside
Arch. & Environ. Design	3	0.0	0.0	33.3	33.3	33.3	33.3	66.6
Area Studies	1	100.0	0.0	0.0	100.0	0.0	0.0	0.0
Biological Sciences	12	50.0	16.7	0.0	66.7	16.7	16.7	33.4
Business & Management	34	52.9	11.8	11.8	76.5	20.6	2.9	23.5
Communications	5	60.0	20.0	0.0	80.0	20.0	0.0	20.0
Computer & Infor. Sciences	4	25.0	25.0	50.0	100.0	0.0	00.0	0.0
Education	241	40.7	26.1	16.2	83.0	10.0	7.1	17.1
Engineering	5	20.0	20.0	20.0	60.0	40.0	0.0	40.0
Fine & Applied Arts	5	40.0	0.0	0.0	40.0	60.0	0.0	60.0
Foreign Languages	2	50.0	0.0	0.0	50.0	50.0	0.0	50.0
Health Professions	22	40.9	4.5	18.2	63.6	13.6	22.7	36.3
Home Economics	1	0.0	0.0	100.0	100.0	0.0	0.0	0.0
Letters	14	28.5	21.4	14.3	64.2	14.3	21.4	35.7
Mathematics	6	16.7	0.0	0.0	16.7	50.0	33.3	83.3
Physical Sciences	4	25.0	0.0	25.0	50.0	25.0	25.0	50.0
Psychology	15	33.3	33.3	6.7	73.3	26.7	0.0	26.7
Public Affairs & Services	24	91.7	8.3	0.0	100.0	0.0	0.0	0.0
Social Sciences	56	28.6	23.2	12.5	64.3	21.4	14.3	35.7
Interdisciplinary Studies	4	25.0	25.0	0.0	50.0	25.0	25.0	50.0
Grand Total	458	41.5	21.2	13.8	76.5	14.6	9.0	23.6

TABLE 3.52

GEOGRAPHIC LOCATION OF EMPLOYED GRADUATES BY MAJOR DISCIPLINE
FOR AMERICAN INDIANS

Major Discipline	Total Reported	Per Cent In Pennsylvania: Same County	Same Region	Elsewhere	Total in State	Per Cent Outside PA: Adjacent State	Other	Total Outside
Arch. & Environ. Design	1	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Biological Sciences	1	100.0	0.0	0.0	100.0	0.0	0.0	0.0
Business & Management	1	100.0	0.0	0.0	100.0	0.0	0.0	0.0
Education	3	33.3	66.7	0.0	100.0	0.0	0.0	0.0
Fine & Applied Arts	1	100.0	0.0	0.0	100.0	0.0	0.0	0.0
Social Sciences	2	100.0	0.0	0.0	100.0	0.0	0.0	0.0
Grand Total	9	66.7	22.2	0.0	88.9	0.0	11.1	11.1

TABLE 3.53

GEOGRAPHIC LOCATION OF EMPLOYED GRADUATES BY MAJOR DISCIPLINE
FOR SPANISH-SURNAMED

Major Discipline	Total Reported	Per Cent in Pennsylvania: Same County	Same Region	Elsewhere	Total in State	Per Cent Outside Pa.: Adjacent State	Other	Total Outside
Biological Sciences	1	0.0	0.0	0.0	0.0	0.0	100.0	100.0
Business & Management	4	25.0	25.0	50.0	100.0	0.0	0.0	0.0
Communications	1	0.0	0.0	100.0	100.0	0.0	0.0	0.0
Education	16	50.0	12.5	18.8	81.3	18.8	0.0	18.8
Engineering	4	25.0	25.0	0.0	50.0	25.0	25.0	50.0
Fine & Applied Arts	5	0.0	40.0	20.0	60.0	20.0	20.0	40.0
Foreign Languages	3	66.1	33.3	0.0	99.4	0.0	0.0	0.0
Health Professions	3	66.7	0.0	0.0	66.7	33.3	0.0	33.3
Mathematics	1	0.0	0.0	100.0	100.0	0.0	0.0	0.0
Psychology	1	100.0	0.0	0.0	100.0	0.0	0.0	0.0
Public Affairs & Services	1	0.0	0.0	0.0	0.0	100.0	0.0	100.0
Social Sciences	3	66.7	0.0	0.0	66.7	33.3	0.0	33.3
Theology	1	0.0	100.0	0.0	100.0	0.0	0.0	0.0
Interdisciplinary Studies	1	0.0	0.0	0.0	0.0	0.0	100.0	100.0
Grand Total	45	37.8	17.8	17.8	73.4	17.8	8.9	26.7

TABLE 3.54

GEOGRAPHIC LOCATION OF EMPLOYED GRADUATES BY MAJOR DISCIPLINE FOR ORIENTALS

Major Discipline	Total Reported	Per Cent in Pennsylvania				Per Cent Outside PA		
		Same County	Same Region	Elsewhere	Total in State	Adjacent State	Other	Total Outside
Agri. & Natural Resources	1	100.0	0.0	0.0	100.0	0.0	0.0	0.0
Arch. & Environ. Design	1	0.0	0.0	0.0	0.0	100.0	0.0	100.0
Biological Sciences	3	0.0	0.0	33.3	33.3	0.0	66.7	66.7
Business & Management	4	50.0	25.0	0.0	75.0	0.0	25.0	25.0
Computer & Infor. Sciences	1	100.0	0.0	0.0	100.0	0.0	0.0	0.0
Education	8	37.5	12.5	25.0	75.0	12.5	12.5	25.0
Engineering	7	42.9	0.0	0.0	42.9	14.3	42.9	57.2
Fine & Applied Arts	3	33.3	33.3	33.3	99.9	0.0	0.0	0.0
Health Professions	7	85.7	14.3	0.0	100.0	0.0	0.0	0.0
Letters	1	0.0	0.0	100.0	100.0	0.0	0.0	0.0
Mathematics	3	0.0	66.7	0.0	66.7	0.0	33.3	33.3
Physical Sciences	5	60.0	0.0	0.0	60.0	0.0	40.0	40.0
Psychology	5	60.0	0.0	0.0	60.0	40.0	40.0	40.0
Social Sciences	6	50.0	0.0	33.3	83.3	16.7	16.7	16.7
Theology	1	0.0	0.0	0.0	0.0	0.0	100.0	100.0
Interdisciplinary Studies	1	0.0	0.0	0.0	0.0	0.0	100.0	100.0
Grand Total	57	45.6	10.5	12.3	68.4	10.5	21.1	31.6

TABLE 3.55

GEOGRAPHIC LOCATION OF EMPLOYED GRADUATES BY MAJOR DISCIPLINE FOR WHITES AND OTHERS

Major Discipline	Total Reported	Per Cent in Pennsylvania				Per Cent Outside PA		
		Same County	Same Region	Elsewhere	Total in State	Adjacent State	Other	Total Outside
Agri. & Natural Resources	244	10.7	11.9	34.4	57.0	23.8	19.3	43.1
Arch. & Environ. Design	100	16.6	5.0	38.0	59.6	26.0	15.0	41.0
Area Studies	49	26.5	14.3	18.4	59.2	14.3	26.5	40.8
Biological Sciences	661	25.7	20.7	25.3	71.7	17.1	11.0	28.1
Business & Management	2,254	30.3	19.7	25.6	75.6	15.6	8.7	24.3
Communications	179	26.8	12.8	36.9	76.5	14.0	9.5	23.5
Computer & Infor. Sciences	117	18.8	16.2	24.8	59.8	27.4	12.8	40.2
Education	8,137	20.0	26.4	34.1	80.5	13.0	6.3	19.3
Engineering	1,154	14.9	8.3	37.5	60.7	25.4	13.9	39.3
Fine & Applied Arts	325	31.4	16.9	17.8	66.1	22.5	11.4	33.9
Foreign Languages	153	27.5	15.7	22.2	65.4	20.3	14.4	34.7
Health Professions	813	25.6	19.9	25.6	71.1	17.1	11.8	28.9
Home Economics	202	21.3	12.3	45.0	78.6	11.4	9.9	21.3
Law	21	19.0	14.3	38.1	71.4	19.0	9.5	28.5
Letters	352	32.6	17.2	17.9	67.7	17.6	14.5	32.1
Library Science	182	12.1	25.8	36.8	74.7	20.3	4.9	25.2
Mathematics	316	24.7	20.3	23.4	68.4	19.0	12.3	31.3
Physical Sciences	409	25.2	16.1	18.6	59.9	19.1	20.8	39.9
Psychology	707	32.1	21.3	19.5	72.9	14.6	12.3	26.9
Public Affairs & Services	415	33.5	16.9	28.9	79.3	10.6	10.1	20.7
Social Sciences	1,582	28.8	19.3	21.9	70.0	17.0	12.8	29.8
Theology	82	20.7	12.2	23.2	56.1	17.1	26.8	43.9
Interdisciplinary Studies	159	23.9	18.2	35.8	77.9	11.9	10.1	22.0
Grand Total	18,813	23.6	21.3	29.6	74.5	15.7	9.6	25.3

TABLE 4.0

MAJOR DISCIPLINE BY OCCUPATIONAL DISTRIBUTION OF (FULL-TIME) EMPLOYED TOTAL BACCALAUREATE GRADUATES

	Agri. & Natural Resources	Archi. & Environ. Design	Area Studies	Biological Science	Business & Management	Communication	Computer Info. Science	Education	Engineering	Fine & Applied Arts	Health Professions	Home Economics	Letters	Library Science	Mathematics	Physical Science	Psychology	Public Affairs	Social Science	Interdisciplinary Studies	Total
PROFESSIONAL, TECHNICAL & KINDRED																					
Accountants	0	3	0	1	775	0	0	18	0	2	0	0	5	0	13	1	2	0	27	1	848
Architects	4	27	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	34
Computer Specialists	0	1	1	1	35	1	96	24	14	0	0	0	1	0	91	15	6	2	13	1	302
Engineers	3	1	0	4	17	0	2	3	831	1	0	0	0	1	14	16	3	0	5	1	902
Farm Management Advisors	2	0	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	6
Librarians	0	0	0	0	1	0	0	19	0	2	0	0	2	117	0	0	1	0	2	0	144
Math Specialists	2	0	0	2	6	0	0	6	0	0	0	0	1	0	25	1	0	0	4	0	47
Life & Phys. Scientists	8	0	0	17	0	0	0	9	3	0	2	0	0	0	1	113	0	0	2	0	155
Personnel & Labor Rels.	0	0	0	0	26	3	0	16	1	0	0	3	5	0	0	1	11	7	26	0	99
Nurses and Related	0	0	0	4	1	0	0	124	0	2	360	26	2	1	0	1	5	1	3	0	530
Health Techni. & Technol.	5	0	0	93	3	1	0	13	1	0	103	0	3	0	1	11	8	0	3	0	245
Social Scientists	1	9	1	0	26	0	1	4	3	1	0	2	1	0	2	0	5	1	33	1	91
Social & Recreation Wrks.	0	1	0	2	5	1	0	58	0	5	11	9	4	0	1	0	99	140	92	5	433
Teachers, College	1	1	0	0	0	0	1	16	0	2	5	0	0	0	0	2	0	0	0	0	28
Teachers, Adult	1	0	0	1	0	0	0	29	0	1	11	0	2	0	1	1	0	2	0	0	49
Teachers, Elementary	0	0	0	0	0	0	0	1694	0	2	1	0	4	5	0	0	5	0	6	1	1718
Teachers, Kindergarten	0	0	0	0	0	0	0	162	0	1	0	4	0	0	0	0	2	0	2	2	173
Teachers, Secondary	5	1	2	14	5	0	0	1348	0	1	1	7	16	6	3	2	2	0	20	0	1433
Teachers, Industrial Arts	0	0	0	0	0	0	0	162	0	1	0	0	0	0	0	0	0	0	1	0	164
Teachers, Special	0	0	0	1	0	0	0	816	0	0	12	2	8	1	0	0	5	2	5	1	853
Teachers, Substitute	0	0	0	0	0	0	0	184	13	1	1	0	3	0	1	0	2	0	2	0	207
Teachers, Other	0	0	0	1	1	0	0	7	0	1	1	0	0	0	0	0	0	0	1	2	14
Engin. & Sc. Technic.	18	13	2	51	12	3	0	52	75	5	0	0	7	1	13	33	7	1	11	5	309
Other Technicians	0	0	0	1	2	1	0	1	1	0	0	0	1	0	2	1	0	1	1	1	13
Writers, Arts, Etc.	4	14	5	9	5	71	1	53	1	50	2	2	54	0	1	1	9	4	26	7	319
Other Prof., Tech. & Kind.	18	2	4	50	17	2	0	281	9	13	132	9	27	3	6	18	48	20	65	5	666
Total Prof., Tech. & Kind.	72	73	15	252	939	83	101	5040	953	91	642	64	146	135	175	217	320	181	350	33	9782
MANAGERS, ADMINISTRATORS & OFFICIALS																					
Assessors	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	5
Bank Officials	0	2	1	0	128	2	1	14	0	2	0	0	10	0	10	0	7	1	56	1	235
Buyers, Farm Products	4	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Buyers, Wholesale & Retail	0	1	1	0	42	1	0	8	0	6	0	7	1	0	0	0	6	0	8	1	82
Credit Men	0	0	0	1	24	0	0	8	0	0	0	0	1	0	1	1	1	0	11	1	49
Health Administrators	1	0	0	1	1	0	0	12	0	0	38	1	0	0	0	0	5	1	3	0	63
Construction Inspectors	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1	0	3
Managers & Supervisors	0	0	0	2	1	0	0	2	1	0	0	0	0	0	0	0	4	0	4	1	15
Office Managers	0	0	0	0	10	0	0	8	0	1	0	1	1	0	0	0	0	0	4	0	25
Public Administrators	0	0	1	1	7	0	0	5	0	1	2	0	4	1	0	0	3	6	14	2	47
Officials	0	0	0	0	1	0	0	2	0	0	0	1	1	0	0	0	2	2	4	0	13
Purchasing Agents	0	0	1	2	15	1	0	6	1	0	0	0	1	0	1	0	3	0	6	0	37
Rest., Cafe & Bar Managers	3	0	0	2	14	0	0	10	1	1	0	20	2	0	0	0	2	0	8	2	65
Sales Managers, Retail	3	1	1	6	101	1	0	54	1	11	2	11	14	0	3	1	11	5	48	5	279
Sales Managers, Exc. Retail	2	0	0	0	37	2	0	5	0	1	0	0	4	0	0	0	1	0	8	1	61
School Administrators	0	0	0	0	0	1	0	33	0	1	1	2	1	1	0	0	1	1	5	0	47
Other Managers, Administrators and Officials	20	1	0	11	162	10	4	63	53	15	0	9	9	0	10	5	16	11	61	8	468
Total Managers, Administrators and Officials	33	5	5	26	547	18	5	231	57	39	43	52	49	2	25	7	63	27	244	22	1500
SALES WORKERS																					
Advertising Agents	1	0	0	0	4	12	0	2	0	0	0	0	5	0	0	0	2	0	3	0	29
Insurance Agents	7	1	5	18	212	12	1	56	11	7	0	3	24	0	7	8	30	6	73	5	486
Real Estate Agents	0	0	0	0	10	0	0	2	0	0	0	0	0	0	0	0	1	0	4	0	17
Stock & Bond Sales	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	2	0	6	1	12
Other Sales Workers	2	1	0	6	21	5	0	108	0	13	1	5	18	0	3	1	10	12	34	2	242
Total Sales Workers	10	2	5	24	250	29	1	168	11	20	1	8	47	0	10	9	45	18	120	8	786
CLERICAL WORKERS	8	3	7	22	184	13	6	523	5	25	6	21	77	10	31	8	106	38	202	25	1320
CRAFTSMEN	20	3	2	21	45	2	1	98	19	15	1	1	3	1	10	7	29	10	42	7	337
OPERATIVES	3	1	1	17	17	0	0	137	4	14	3	2	3	4	9	5	15	4	33	3	275
LABORERS	24	3	0	26	24	4	0	108	1	5	5	3	11	1	4	7	22	8	51	6	313
FARMERS & FARM MANAGEMENT	22	0	0	0	4	0	0	2	2	0	0	0	0	0	0	1	0	0	2	0	33
FARM LABORERS	12	0	0	1	2	0	0	5	1	0	0	0	0	0	0	0	2	0	6	0	29
SERVICE WORKERS	1	2	3	30	16	2	0	159	1	10	5	10	28	0	1	4	50	70	87	11	492
GRAND TOTAL	205	92	38	399	2030	151	114	6471	1054	219	706	161	358	153	265	265	552	356	1137	115	14,841

Table 5.0

EMPLOYMENT STATUS BY PROFESSIONAL EDUCATION DISCIPLINE

Major Discipline	Total Reported	Per Cent in the Civilian Labor Force						Other Status			
		Highly Related	Somewhat Related	Unrelated	Employed Part Time	Seeking Employment	Total	Military	Grad. School	Not Seeking Employment	Total
Education, General	27	25.9	7.4	22.2	11.1	18.5	85.1		3.7	11.1	14.8
Elementary	3,776	46.0	3.1	13.2	15.5	17.4	95.2	0.19	2.4	2.3	4.8
Secondary	51	25.5	7.8	23.5	7.8	19.6	84.3		13.7	2.0	15.7
Higher Education	3	100.0					100.0				0.0
Ed. Psychology	12	50.0	8.3	25.0	8.3		91.7		8.3		8.3
Kindergarten	292	54.1	3.8	10.3	15.1	12.7	95.9		2.1	2.1	4.1
Ed. Statistics	8		12.5	37.5		25.0	75.0		25.0		25.0
Ed. Measurements	52	51.9	11.5	3.8	7.7	7.7	82.7	1.9	13.5	1.9	17.3
Ed. Administration	4	75.0	25.0				100.0				
Ed. Supervision	1	100.0					100.0				
Curriculum & Instruction	1	100.0					100.0				
Reading Ed.	15	73.3	26.7				100.0				
Art Ed.	330	40.0	9.7	11.8	17.6	13.3	92.4	0.30	3.9	3.3	7.6
Music Ed.	368	61.4	0.81	10.9	12.2	7.8	93.2	0.54	5.7	0.54	6.8
Math Ed.	480	55.6	7.7	10.8	12.3	9.2	95.6	0.42	3.3	0.63	4.4
Science Ed.	18	50.0	5.6	5.6	22.2	11.1	94.4		5.6		5.6
Physical Ed.	848	35.8	5.4	18.0	20.9	14.9	95.2	0.82	2.4	1.7	4.8
Driver Ed.	19	57.8	5.3	26.3		5.3	94.7	5.3			5.3
Health Ed.	34	41.2	5.9	8.8	14.7	20.6	91.2		8.8		8.8
Business	221	52.5	20.4	10.4	5.0	9.0	97.3	0.45	1.8	0.45	2.7
Industrial V-T	265	71.7	14.3	5.3	5.3	2.3	98.9	0.75	0.38		1.1
Biology Ed.	205	47.8	12.2	13.7	8.3	8.8	90.7	1.0	7.3	1.0	9.3
French	117	28.2	5.1	12.8	19.7	21.4	87.2	2.6	7.7	2.6	12.8
German	54	37.0	5.5	24.0	9.3	11.1	87.0		9.3	3.7	13.0
Spanish	170	34.1	6.5	19.4	18.8	12.9	91.8	0.59	5.9	1.8	8.2
Foreign Language, Other	26	23.0	7.7	15.4	15.4	15.4	76.9		19.2	3.8	23.0
English	497	37.0	6.4	15.7	14.7	17.9	91.8	0.8	5.2	2.2	8.0
Speech/Drama	81	39.5	11.1	9.9	12.3	18.5	91.4		4.9	3.7	8.6
Earth/Space	112	58.0	7.1	16.1	3.6	8.9	93.8		5.4	0.9	6.2
Chemistry	55	41.8	18.2	5.5	7.2	16.4	89.1		7.2	3.6	10.8
Physics	23	60.9		13.0		4.3	78.3		13.0	8.7	21.7
Social Science	608	19.7	7.6	23.0	20.7	18.9	90.0	1.0	7.7	1.5	10.0
Agriculture Ed.	12	75.0	8.3		8.3		91.7		8.3		8.3
Home Economics	280	47.1	8.6	12.9	9.3	17.1	95.0		2.9	2.1	5.0
Nursing/Dental Hygiene	133	73.7	12.8	0.8	4.5	6.0	97.7		0.8	1.5	2.3
Other	6	50.0		16.7	16.7	16.7	100.0				
Total	9,204	44.9	5.9	13.8	14.6	14.8	94.0	0.4	3.7	1.9	6.0

Table 5.1

EMPLOYMENT STATUS BY SPECIAL EDUCATION DISCIPLINE

Major Discipline	Total Reported	Per Cent in the Civilian Labor Force						Other Status			
		Highly Related	Somewhat Related	Unrelated	Employed Part-Time	Seeking Employment	Total	Military	Grad School	Not Seeking Employment	Total
Special Education, General	406	59.6	5.2	8.4	11.3	9.6	94.1	0.3	4.4	1.2	5.9
Educable Mentally Retarded	540	72.9	2.4	4.8	6.9	9.3	96.3		2.6	1.1	3.7
The Gifted Learner	9	77.7	11.1	11.1	0.0	0.0	100.0		0.0	0.0	0.0
Deaf Education	19	68.4	0.0	15.8	0.0	5.3	89.5		10.5	0.0	10.5
Visually Handicapped	20	65.0	5.0	5.0	5.0	5.0	85.0		15.0	0.0	15.0
Speech Correction	170	71.1	3.5	5.9	5.3	8.2	94.1		5.3	0.6	5.9
Emotionally Disturbed	22	63.6	9.1	9.1	4.5	13.6	100.0		0.0	0.0	0.0
Learning Disabled	7	85.7	0.0	0.0	14.2	0.0	100.0		0.0	0.0	0.0
Physically Handicapped	12	75.0	8.3	0.0	8.3	0.0	91.6		8.3	0.0	8.3
Grand Total	1,205	68.0	3.7	6.4	8.0	9.0	95.0	0.08	3.9	1.0	5.0

Table 6.0

ESTIMATED MEDIAN SALARY OF EMPLOYED GRADUATES BY MAJOR DISCIPLINE

Major Discipline	Estimated Median Salary							
	Male	Female	Black	Amer. Indian	Spanish Surname	Oriental	White & Other	Race Not Reported
Agri. & Natural Resources	8,996	7,500					8,875	
Arch. & Environ. Design	9,730	7,000	8,500				9,346	
Area Studies	8,400	8,000					8,333	
Biological Sciences	8,179	7,465	7,000				7,854	8,500
Business & Management	10,156	9,589	10,500		9,000	9,500	10,093	10,181
Communications	8,031	7,350	8,000				7,769	
Computer & Infor. Sciences	10,714	11,125	11,000				10,816	8,750
Education	8,170	7,802	8,628		8,857	8,000	7,886	7,884
Engineering	12,032	12,000	12,000		12,000	12,250	12,029	12,250
Fine & Applied Arts	8,428	7,000	8,500		12,500		7,413	7,000
Foreign Languages	9,333	7,296	5,000		10,000		7,535	7,000
Health Professions	9,441	9,015	9,000				9,067	9,833
Home Economics	9,214	7,404					7,833	
Letters	8,350	7,216	8,500				7,750	7,000
Library Science	7,428	7,894					7,829	
Mathematics	10,000	10,125	10,333			10,000	10,044	10,250
Physical Sciences	9,766	10,722	9,000			8,500	10,125	
Psychology	8,308	6,947	8,750					6,583
Public Affairs & Services	8,609	7,916	8,500				8,270	6,500
Social Sciences	8,842	7,739	9,416		8,500	7,000	9,455	8,166
Theology	6,750	6,000					6,500	
Interdisciplinary Studies	8,666	6,833	9,500				7,678	8,000

QUESTIONNAIRE CARD

410147201 PENN STATE UNIV AND BRANCHES

1. NAME: _____
2. CURRENT ADDRESS: _____
3. PHONE NUMBER: ____/____ 4. SEX: ☐ MALE ☐ FEMALE
5. SOCIAL SECURITY NO: ☐☐☐-☐☐-☐☐☐☐
6. RACE: ☐ BLACK ☐ AMERICAN INDIAN ☐ SPANISH SURNAMED ☐ ORIENTAL ☐ WHITE & OTHER
7. MAJOR FIELD OF STUDY: _____
8. DEGREE MAJOR DEGREE AREA OF CONCENTRATION: _____
9. DATE OF BACCALAUREATE GRADUATION: ☐☐-☐☐ (MONTH / YEAR)
10. ARE YOU ATTENDING GRADUATE SCHOOL? ☐ FULL TIME ☐ PART-TIME ☐ NO
11. DO YOU WISH TO CONTINUE TO RECEIVE PLACEMENT SERVICE? ☐ YES ☐ NO
COMMENTS: _____

11. ARE YOU CURRENTLY EMPLOYED? ☐ FULL-TIME ☐ PART-TIME ☐ NO
12. IF EMPLOYED FULL-TIME, PROVIDE NAME AND ADDRESS OF EMPLOYER: _____
(NAME OF EMPLOYER / CITY / COUNTY / STATE)
13. IS WORK RELATED TO MAJOR FIELD OF STUDY? ☐ HIGHLY RELATED ☐ SOMEWHAT RELATED ☐ NOT RELATED COMMENTS: _____
14. IF NOT EMPLOYED FULL-TIME ARE YOU: ☐ SEEKING WORK ☐ NOT SEEKING ☐ SEEKING IN LIMITED GEOGRAPHICAL AREA (WHERE?) _____
15. DATE OF EMPLOYMENT: ☐☐-☐☐ (MONTH / YEAR)
16. ANNUAL SALARY: $_____
17. JOB TITLE: _____
18. DESCRIPTION OF DUTIES: _____

PLACEMENT OFFICE USE: SCHOOL ☐☐☐☐ COUNTY ☐☐ EMPLOYER ☐☐☐☐ OCCUPATION ☐☐☐☐

FIRST CLASS
PERMIT NO.
1840
Harrisburg, Pa.

BUSINESS REPLY MAIL
No Postage Stamp Necessary If Mailed In The United States

"COMM-BACC"
Pennsylvania Department of
Education
Box 911
Harrisburg, Pennsylvania 17126

BIBLIOGRAPHY

Astin, H. S. and A. S. Bisconti. Career Plans of College Graduates of 1965 and 1970, The College Placement Council Foundation, Bethlehem, Pa., 1973

Bisconti, A. S. and I. L. Gomberg. The Hard-to-Place Majority, The College Placement Council Foundation, Bethlehem, Pa., 1975.

Durkee, Frank M. Teacher Demand and Supply for Elementary and Secondary Schools in Pennsylvania, Division of Research, Bureau of Information Systems, Pennsylvania Department of Education, Harrisburg, Pa., 1975.

Engels, R. A. and E. C. Galambos. Supply and Demand for College Graduates in the South, 1980, Southern Regional Education Board, Atlanta, Ga., 1975.

Engels, R. A. and E. C. Galambos. Supply and Demand Balances of Selected College-Level Fields Projected for the SREB States, Southern Regional Education Board, Atlanta, Ga., 1975.

Nunemaker, G. R. Degrees and Other Formal Awards Conferred by Pennsylvania Institutions of Higher Education 1973-74, Division of Educational Statistics, Bureau of Information Systems, Pennsylvania Department of Education, Harrisburg, Pa., 1975.

Toombs, William. The Comm-Bacc Study: Postbaccalaureate Activities of Degree Recipients from Pennsylvania Institutions 1971-1972, Center for the Study of Higher Education, The Pennsylvania State University, University Park, Pa., 1973.